

Redux 4 Ways React Native Training Medium

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React Native Cookbook Jonathan Lebensold
2018-02-13 Tackling an app development project on multiple platforms is no simple task. When time is in short supply and customers need access from the tap of a home screen, React Native can provide a lean development team

with the tools needed to deliver a multi-platform native experience without juggling multiple programming languages and shifting code bases. React Native is an emerging technology and best practices are only beginning to bubble up. Fortunately, a growing user community—from tech giants such as Facebook, Yahoo, and Airbnb

to the independent developers—is hard at work codifying patterns and best practices for how to use React Native. This cookbook is another milestone on that journey. Aimed at people with some JavaScript and web development experience, the first part of this cookbook covers some simple tips for getting started with React Native. Part 2 will cover some emerging patterns that are commonly found in most native applications.

React Native - Building Mobile Apps with JavaScript

Vladimir Novick 2017-08-23 Your go-to guide to creating truly native iOS and Android mobile applications using React and JavaScript
About This Book* Build cross-platform best seller native mobile applications in JavaScript with React-Native framework* Learn about real world examples like Whatsapp, Instagram or Twitter.* Learn all steps in React Native application development workflow from prototyping to deployment* Get familiar with various mobile APIs covered in React Native

framework and learn how to extend it further to non-supported APIs
Who This Book Is For
This book is for JavaScript developers who want to learn how to create native mobile apps using React Native.
What You Will Learn* Understand how React Native works under the hood and what makes it an ultimate choice for app development for lots of businesses.* Create real world native apps with complex animations and styles* Get familiar with important iOS and Android native APIs and access them using React Native* Learn authentication techniques and how to connect your app to a real data by using Firebase or your own server* Get familiar with lots of community packages considered as industry standard* Walk through the whole app development workflow by creating Twitter app clone from design to deployment.* Understand application release process to the Apple App Store and Google's Play Store
In Detail
The emergence of React Native has made creating mobile apps in JavaScript easier for developers. This book introduces you to the

React Native framework and the mobile apps development process. It starts with how React Native fits into the world of hybrid apps, and why it's a popular framework. You'll learn how React Native works under the hood--compiling JavaScript to Native code to bridge JavaScript and native apps. Also, you'll learn how to write React Native components and use the ReactJS way of structuring your app. Understand how to use the industry standard Redux architecture as well as MobX--a newly emerging approach for state management--making your apps more robust and scalable. The mobile native world can be intimidating, with lots of platform-specific APIs. In this book, you'll learn about the most important APIs with help of the real-world examples. You'll also learn about the community packages that can help speed up your development. The book explains how to use these packages with JavaScript code, include native modules in your application, and write the modules yourself. Throughout the book, you will see examples of

WhatsApp, Instagram, and YouTube apps and learn how to recreate them. You'll also learn debugging and testing techniques, authentication, dealing with real data, and much more. At the end we will walk through design to production process of Twitter app clone and will explain application release process to App Store and Play Store. This book gives you a solid foundation in building apps with React Native, from the basics to creating a fully functional Twitter clone! With industry best practices, plenty of code examples and complete projects to walk through.

The Road to React Robin Wieruch 2017-11-15
LAST UPDATE: 09. June 2021 If you are looking for a comprehensive and pragmatic yet concise and up-to-date React.js feat. Hooks book, the Road to React is for you. What you will learn. In "The Road to React" you will learn about all the fundamentals of React.js with Hooks while building a full-blown React application step by step. While you create the React application,

every chapter will introduce you to a new React key feature. However, there is more than only the fundamentals: The book dives into related topics (e.g. React with TypeScript, Testing, Performance Optimizations) and advanced feature implementations like client- and server-side searching. At the end of the book, you will have a fully working deployed React application. Is it up to date? Programming books are usually outdated soon after their release, but since this book is self-published, I can update it as needed whenever a new version of something related to this book gets released. I am a beginner. Is this book for me? Yes. The book starts from zero and takes you through the learning experience step by step. Every chapter builds up on the learnings from the previous chapter. In addition, at the end of every chapter, exercises fortify your lessons learned. If you got stuck in a chapter, you will always find a reference URL to the status quo of the actual code. Core Concepts Pragmatic: Master React while building a complete

application step by step. Problems Solving: You need to experience a problem first before solving it. The Why: Readers like how the book answers the Why, not only the How. Table of Contents Fundamentals of React Hello React Requirements Setting up a React Project Meet the React Component React JSX Lists in React Meet another React Component React Component Instantiation ReactDOM React Component Definition (Advanced) Handler Function in JSX React Props React State Callback Handlers in JSX Lifting State in React React Controlled Components Props Handling (Advanced) React Side-Effects React Custom Hooks (Advanced) React Fragments Reusable React Component React Component Composition Imperative React Inline Handler in JSX React Asynchronous Data React Conditional Rendering React Advanced State React Impossible States Data Fetching with React Data Re-Fetching in React Memoized Handler in React (Advanced) Explicit Data Fetching with React Third-Party Libraries in React Async/Await in

React (Advanced) Forms in React React's Legacy
React Class Components React Class
Components: State Imperative React Styling in
React CSS in React CSS Modules in React Styled
Components in React SVGs in React React
Maintenance Performance in React (Advanced)
TypeScript in React Unit Testing to Integration
Testing React Project Structure Real World React
(Advanced) Sorting Reverse Sort Remember Last
Searches Paginated Fetch Deploying a React
Application Build Process Deploy to Firebase
React Native By Example Richard Kho
2017-04-24 Leverage the full potential of the
React Native framework to build and deploy your
own native mobile applications for iOS and
Android About This Book Work on native APIs and
UI Elements using React Native Get the best of
both worlds: the power of native approach and
the fluidity of JavaScript Create increasingly
complex real-world applications and dive deeper
into React Native Who This Book Is For If you are
keen on learning to use the revolutionary mobile

development tool React Native to build native
mobile applications, then this book is for you.
Prior experience with JavaScript would be useful.
What You Will Learn How to create mobile-
performant iOS and Android apps using
JavaScript and React The potential of each API
and component, putting them into practice
throughout the course of three projects The
process of integrating the Facebook SDK to build
an app that connects to third-party data Every
step taken to implement Redux, a popular state
management library, in your mobile apps The
requirements for building and deploying your
apps to market, with detailed instructions on how
to release and beta test apps on both the Apple
App Store and Google Play In Detail React
Native's ability to build performant mobile
applications with JavaScript has resulted in its
popularity amongst developers. Developers now
have the luxury to create incredible mobile
experiences that look and feel native to their
platforms with the comfort of a well-known

language and the popular React.js library. This book will show you how to build your own native mobile applications for the iOS and Android platforms while leveraging the finesse and simplicity of JavaScript and React. Throughout the book you will build three projects, each of increasing complexity. You will also link up with the third-party Facebook SDK, convert an app to support the Redux architecture, and learn the process involved in making your apps available for sale on the iOS App Store and Google Play. At the end of this book, you will have learned and implemented a wide breadth of core APIs and components found in the React Native framework that are necessary in creating great mobile experiences. Style and approach Start building applications immediately using featured examples through an easy-to-follow approach. The book is based on three concrete projects with increasing levels of difficulty. Each chapter will introduce you to new and practical concepts and techniques, with the intent that you will be

able to apply them in your own projects later.

Learning React Kirupa Chinnathambi

2018-04-26 Learning React A hands-on guide to building web applications using React and Redux As far as new web frameworks and libraries go, React is quite the runaway success. It not only deals with the most common problems developers face when building complex apps, it throws in a few additional tricks that make building the visuals for such apps much, much easier. What React isn't, though, is beginner-friendly and approachable. Until now. In Learning React , author Kirupa Chinnathambi brings his fresh, clear, and very personable writing style to help web developers new to React understand its fundamentals and how to use it to build really performant (and awesome) apps. The only book on the market that helps you get your first React app up and running in just minutes, Learning React is chock-full of colorful illustrations to help you visualize difficult concepts and practical step-by-step examples to show you how to apply what

you learn. Build your first React app Create components to define parts of your UI Combine components into other components to build more complex UIs Use JSX to specify visuals without writing full-fledged JavaScript Deal with maintaining state Work with React's way of styling content Make sense of the mysterious component lifecycle Build multi-page apps using routing and views Optimize your React workflow using tools such as Node, Babel, webpack, and others Use Redux to make managing your app data and state easy Contents at a Glance 1 Introducing React 2 Building Your First React App 3 Components in React 4 Styling in React 5 Creating Complex Components 6 Transferring Properties 7 Meet JSX... Again! 8 Dealing with State in React 9 Going from Data to UI in React 10 Events in React 11 The Component Lifecycle 12 Accessing DOM Elements in React 13 Setting Up Your React Dev Environment 14 Working with External Data in React 15 Building an Awesome Todo List App in React 16 Creating a Sliding

Menu in React 17 Avoiding Unnecessary Renders in React 18 Creating a Single-Page App in React Using React Router 19 Introduction to Redux 20 Using Redux with React

Decoupled Django Valentino Gagliardi
2021-07-03 Apply decoupling patterns, properly test a decoupled project, and integrate a Django API with React, and Vue.js. This book covers decoupled architectures in Django, with Django REST framework and GraphQL. With practical and simple examples, you'll see firsthand how, why, and when to decouple a Django project. Starting with an introduction to decoupled architectures versus monoliths, with a strong focus on the modern JavaScript scene, you'll implement REST and GraphQL APIs with Django, add authentication to a decoupled project, and test the backend. You'll then review functional testing for JavaScript frontends with Cypress. You will also learn how to integrate GraphQL in a Django project, with a focus on the benefits and drawbacks of this new query language. By the

end of this book, you will be able to discern and apply all the different decoupling strategies to any Django project, regardless of its size. What You'll Learn Choose the right approach for decoupling a Django project Build REST APIs with Django and a Django REST framework Integrate Vue.js and GraphQL in a Django project Consume a Django REST API with Next.js Test decoupled Django projects Who This Book Is For Software developers with basic Django skills keen to learn decoupled architectures with Django. JavaScript developers interested in learning full-stack development and decoupled architectures with Django.

Practical React Native Frank Zammetti 2018-11-12 Discover how to use React Native in the real world, from scratch. This book shows you what React Native has to offer, where it came from, and where it's going. You'll begin with a solid foundation of practical knowledge, and then build on it immediately by constructing three different apps. You'll learn how to use each

feature of React Native by working on two full projects and one full game. These aren't just simple React Native Hello World examples (although you'll naturally start there!) but are apps that you can, if you so choose, install on your mobile devices and use for real. Throughout this book, you'll gain real-world familiarity with React Native as well as supporting components from Expo, NativeBase, React Navigation and the Redux and Lodash libraries. You'll also build server-side code for a mobile React Native app to talk to using the popular Node.js and Socket.io library, providing you a holistic view of things even beyond React Native. And, you'll see many helpful tips, tricks and gotchas to watch out for along the way! Practical React Native offers practical exercises that will give you a solid grasp of building apps with React Native, allowing you to springboard into creating more advanced apps on your own. Creating a game with React Native will allow you to see a whole other perspective on what React Native can do. What You'll Learn

Master the basics of React Native Create a logically structured project Review interface elements, such as widgets, controls, and extensions Build layouts Work with Expo, an open source toolchain Who This book Is For The primary audience is mobile developers and anyone looking to build for multiple mobile platforms and trying to do so with a codebase that is largely the same across all. Readers will need a decent foundation, but not necessarily be experts in, HTML, CSS, and JavaScript, but I'll assume little beyond that.

Learning React Alex Banks 2017-04-27 If you want to learn how to build efficient user interfaces with React, this is your book. Authors Alex Banks and Eve Porcello show you how to create UIs with this small JavaScript library that can deftly display data changes on large-scale, data-driven websites without page reloads. Along the way, you'll learn how to work with functional programming and the latest ECMAScript features. Developed by Facebook, and used by companies

including Netflix, Walmart, and The New York Times for large parts of their web interfaces, React is quickly growing in use. By learning how to build React components with this hands-on guide, you'll fully understand how useful React can be in your organization. Learn key functional programming concepts with JavaScript Peek under the hood to understand how React runs in the browser Create application presentation layers by mounting and composing React components Use component trees to manage data and reduce the time you spend debugging applications Explore React's component lifecycle and use it to load data and improve UI performance Use a routing solution for browser history, bookmarks, and other features of single-page applications Learn how to structure React applications with servers in mind

React Cookbook Carlos Santana Roldán 2018-08-30 Over 66 hands-on recipes that cover UI development, animations, component architecture, routing, databases, testing, and

debugging with React Key Features Use essential hacks and simple techniques to solve React application development challenges Create native mobile applications for iOS and Android using React Native Learn to write robust tests for your applications using Jest and Enzyme Book Description Today's web demands efficient real-time applications and scalability. If you want to learn to build fast, efficient, and high-performing applications using React 16, this is the book for you. We plunge directly into the heart of all the most important React concepts for you to conquer. Along the way, you'll learn how to work with the latest ECMAScript features. You'll see the fundamentals of Redux and find out how to implement animations. Then, you'll learn how to create APIs with Node, Firebase, and GraphQL, and improve the performance of our application with Webpack 4.x. You'll find recipes on implementing server-side rendering, adding unit tests, and debugging. We also cover best practices to deploy a React application to

production. Finally, you'll learn how to create native mobile applications for iOS and Android using React Native. By the end of the book, you'll be saved from a lot of trial and error and developmental headaches, and you'll be on the road to becoming a React expert. What you will learn Gain the ability to wield complex topics such as Webpack and server-side rendering Implement an API using Node.js, Firebase, and GraphQL Learn to maximize the performance of React applications Create a mobile application using React Native Deploy a React application on Digital Ocean Get to know the best practices when organizing and testing a large React application Who this book is for If you're a JavaScript developer who wants to build fast, efficient, scalable solutions, then you're in the right place. Knowledge of React will be an advantage but is not required. Experienced users of React will be able to improve their skills. **Practical Enterprise React** Devlin Duldulao 2021-09-25 Learn to write real-world enterprise

apps using the fundamentals of React and the most popular React libraries. Knowing the basics of React is important, but what is more important is knowing the common third-party libraries and how to use them. This book features popular libraries such as React Router v6 for route navigation, Redux with Saga and Thunk for state management, and Formik with Yup for form and input validations. You'll also work with Material UI 5 (the next major version of the most popular UI component library in React), Axios as the HTTP client library, JWT auth for client app authentication, and TypeScript. Finally, you'll learn to deploy the app to Netlify, and containerize the React app to ship it as a standalone container instance or in a Kubernetes cluster. Become a more effective React developer by using what is available out there instead of trying to reinvent the wheel. This book reveals how to save time and money, and build better apps for your clients. Get practical with React enterprise app development and enhance

your career. What You'll Learn Use TypeScript in React Work with Redux, Saga, and Thunk, along with TypeScript Validate forms and inputs without writing too much code Use Material UI Secure the React app by building a login form and protecting the routes Who This Book Is For Those interested in writing React enterprise apps. Knowledge of HTML, CSS and JavaScript/TypeScript is required, and experience with JavaScript libraries/frameworks would be useful.

React Native for Mobile Development Akshat Paul 2019-06-12 Develop native iOS and Android apps with ease using React Native. Learn by doing through an example-driven approach, and have a substantial running app at the end of each chapter. This second edition is fully updated to include ES7 (ECMAScript 7), the latest version of React Native (including Redux), and development on Android. You will start by setting up React Native and exploring the anatomy of React Native apps. You'll then move on to Redux data

flow, how it differs from flux, and how you can include it in your React Native project to solve state management differently and efficiently. You will also learn how to boost your development by including popular packages developed by the React Native community that will help you write less; do more. Finally, you'll learn to how write test cases using Jest and submit your application to the App Store. React Native challenges the status quo of native iOS and Android development with revolutionary components, asynchronous execution, unique methods for touch handling, and much more. This book reveals the the path-breaking concepts of React.js and acquaints you with the React way of thinking so you can learn to create stunning user interfaces. What You'll Learn Build stunning iOS and Android applications Understand the Redux design pattern and use it in your project Interact with iOS and android device capabilities such as addressbook, camera, GPS and more with your apps Test and launch your application to the App

StoreWho This Book Is For Anyone with JavaScript experience who wants to build native mobile applications but dreads the thought of programming in Objective-C or Java. Developers who have experience with JavaScript but are new or not acquainted to React Native or ReactJS.

Test-Driven Development with React Juntao Qiu 2021-09-27 Learn to use accelerated test-driven development (TDD) to build a React application from scratch. This book explains how your React components will be integrated, and how to refactor code to make it more concise and flexible. With TDD you can develop a robust test suite to catch bugs, and develop modular, flexible code. Applying your understanding of how HTML, CSS, and JavaScript work in the browser you'll build a web application called Bookish using TDD and mainstream React stack technologies such as React, React-router, and Redux. Using higher code quality you'll be able to write executable documentation using Cucumber. This is just one of many essentials in

maintaining a practical TDD workflow in your daily workload. Test-Driven Development with React highlights best practices and design patterns that will enable you to write more maintainable and reusable React components. What You'll Learn Manage your application's state using Redux Employ professional techniques for backend services Use Cypress as an end-to-end testing framework Utilize React-testing-library for unit and integration tests Who This Book Is For Ideal for web application developers who wants to learn how to write high quality code using Test-Driven Development. [React Quickly](#) Azat Mardan 2017-08-20 Summary React Quickly is for anyone who wants to learn React.js fast. This hands-on book teaches you the concepts you need with lots of examples, tutorials, and a large main project that gets built throughout the book. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Successful user interfaces need to be

visually interesting, fast, and flowing. The React.js JavaScript library supercharges view-heavy web applications by improving data flow between UI components. React sites update visual elements efficiently and smoothly, minimizing page reloads. React is developer friendly, with a strong ecosystem to support the dev process along the full application stack. And because it's all JavaScript, React is instantly familiar. About the Book React Quickly is the tutorial for web developers who want to get started fast with React.js. Following carefully chosen and clearly explained examples, you'll learn React development using your existing JavaScript and web dev skills. You'll explore a host of different projects as you learn about web components, forms, and data. What's Inside Master React fundamentals Build full web apps with data and routing Test components Optimize React apps About the Reader This book is for developers comfortable building web applications with JavaScript. About the Author Azat Mardan is

a Tech Fellow at Capital One with extensive experience using and teaching JavaScript and Node, and author of several books on JavaScript, Node, React, and Express. Table of Contents PART 1 - REACT FOUNDATION Meeting React Baby steps with React Introduction to JSX Making React interactive with states React component lifecycle events Handling events in React Working with forms in React Scaling React components Project: Menu component Project: Tooltip component Project: Timer component PART 2 - REACT ARCHITECTURE The Webpack build tool React routing Working with data using Redux Working with data using GraphQL Unit testing React with Jest React on Node and Universal JavaScript Project: Building a bookstore with React Router Project: Checking passwords with Jest Project: Implementing autocomplete with Jest, Express, and MongoDB APPENDIXES Appendix A - Installing applications used in this book Appendix B - React cheatsheet Appendix C - Express.js cheatsheet Appendix D - MongoDB and

Mongoose cheatsheet Appendix E - ES6 for success

Modern Full-Stack Development Frank Zammetti 2020-03-29 Explore what React, Node, TypeScript, Webpack, and Docker have to offer individually, and how they all fit together in modern app development. React is one of the most popular web development tools available today, and Node.js is extremely popular for server-side development. The fact that both utilize JavaScript is a big selling point, but as developers use the language more, they begin to recognize the shortcomings, and that's where TypeScript comes in and why it's gaining in popularity quickly. Add Webpack and Docker to the mix, and you've got a potent full development stack on which to build applications. You'll begin by building a solid foundation of knowledge and quickly expand it by constructing two different real-world apps. These aren't just simple, contrived examples but real apps that you can choose to install on your

servers and use for real. By the end, you will have a solid grasp of building apps with React, Node.js, and TypeScript and a good grasp on how Webpack can be used to optimize and organize your code for deployment. You'll also understand how Docker can be used to run the apps you build in a clear and well-defined way, all of which will be able to springboard you into creating more advanced apps on your own. What You'll Learn Get a project started and logically structure it Construct a user interface with React and Material-UI Use WebSockets for real-time communication between client and server Build a REST API with Node and Express as another approach to client-server communication Package the app with Webpack for optimized delivery Take a completed app and wrap it up with Docker for easy distribution Review a host of other ancillary topics including NPM, Semantic versioning, Babel, NoSQL, and more Who This Book Is For Web developers with basic knowledge of HTML, JavaScript, CSS, and CLI tools who are interested

in and in all aspects of application development, and using TypeScript instead of straight JavaScript.

Functional Web Development with Elixir, OTP, and Phoenix Lance Halvorsen 2018-01-25 Elixir and Phoenix are generating tremendous excitement as an unbeatable platform for building modern web applications. For decades OTP has helped developers create incredibly robust, scalable applications with unparalleled uptime. Make the most of them as you build a stateful web app with Elixir, OTP, and Phoenix. Model domain entities without an ORM or a database. Manage server state and keep your code clean with OTP Behaviours. Layer on a Phoenix web interface without coupling it to the business logic. Open doors to powerful new techniques that will get you thinking about web development in fundamentally new ways. Elixir and OTP provide exceptional tools to build rock-solid back-end applications that scale. In this book, you'll build a web application in a radically

different way, with a back end that holds application state. You'll use persistent Phoenix Channel connections instead of HTTP's request-response, and create the full application in distinct, decoupled layers. In Part 1, start by building the business logic as a separate application, without Phoenix. Model the application domain with Elixir functions and simple data structures. By keeping state in memory instead of a database, you can reduce latency and simplify your code. In Part 2, add in the GenServer Behaviour to make managing in-memory state a breeze. Create a supervision tree to boost fault tolerance while separating error handling from business logic. Phoenix is a modern web framework you can layer on top of business logic while keeping the two completely decoupled. In Part 3, you'll do exactly that as you build a web interface with Phoenix. Bring in the application from Part 2 as a dependency to a new Phoenix project. Then use ultra-scalable Phoenix Channels to establish persistent connections

between the stateful server and a stateful front-end client. You're going to love this way of building web apps! What You Need: You'll need a computer that can run Elixir version 1.5 or higher and Phoenix 1.3 or higher. Some familiarity with Elixir and Phoenix is recommended.

Learning React Alex Banks 2020-06-12 If you want to learn how to build efficient React applications, this is your book. Ideal for web developers and software engineers who understand how JavaScript, CSS, and HTML work in the browser, this updated edition provides best practices and patterns for writing modern React code. No prior knowledge of React or functional JavaScript is necessary. With their learning road map, authors Alex Banks and Eve Porcello show you how to create UIs that can deftly display changes without page reloads on large-scale, data-driven websites. You'll also discover how to work with functional programming and the latest ECMAScript features. Once you learn how to build React components with this hands-on guide,

you'll understand just how useful React can be in your organization. Understand key functional programming concepts with JavaScriptLook under the hood to learn how React runs in the browserCreate application presentation layers with React componentsManage data and reduce the time you spend debugging applicationsIncorporate React Hooks to manage state and fetch dataUse a routing solution for single-page application featuresLearn how to structure React applications with servers in mind

React Native Cookbook Dan Ward 2019-01-31

Improve your React Native mobile development skills and transition from web to mobile development with this solution-packed guide Key FeaturesLearn strategies and techniques to face React Native mobile development challenges head-onExplore ways to use iOS and Android for React Native development to maximize code reuse and cohesionBuild engaging user experiences with React NativeBook Description If you are a developer looking to create mobile

applications with maximized code reusability and minimized cost, React Native is what you need. With this practical guide, you'll be able to build attractive UIs, tackle common problems in mobile development, and achieve improved performance in mobile environments. This book starts by covering the common techniques for React Native customization and helps you set up your development platforms. Over the course of the book, you'll work through a wide variety of recipes that help you create, style, and animate your apps with built-in React Native and custom third-party components. You'll also develop real-world browser-based authentication, build a fully functional audio player, and integrate Google Maps in your apps. This book will help you explore different strategies for working with data, including leveraging the popular Redux library and optimizing your app's dataflow. You'll also learn how to write native device functionality for new and existing React Native projects and how app deployment works. By the end of this book,

you'll be equipped with tips and tricks to write efficient code and have the skills to build full iOS and Android applications using React Native. What you will learn Build UI features and components using React Native Create advanced animations for UI components Develop universal apps that run on phones and tablets Leverage Redux to manage application flow and data Expose both custom native UI components and application logic to React Native Employ open source third-party plugins to create React Native apps Who this book is for If you're a JavaScript developer looking for a practical guide for developing feature-rich mobile apps using React Native, this book is for you. Though not necessary, some experience of working with React will help you understand the React Native concepts covered in this book easily. While React Native development can be done on a Windows machine, certain aspects, such as running your apps on iOS devices and in the iOS simulator, or editing native code with Xcode, can only be done

with a Mac.

Fullstack React Accomazzo Anthony 2017-03
LEARN REACT TODAY The up-to-date, in-depth, complete guide to React and friends. Become a ReactJS expert today

Mastering React Test-Driven Development

Daniel Irvine 2019-05-03 This book is comprehensive walk through of Test-Driven Development (TDD) for React. It takes a first-principles approach to teach the TDD process using vanilla Jest. Readers build their own test library as they refactor out repeated code in tandem with building a real-world application. It also covers acceptance testing using Cucumber and ...

Mastering React Native Development Matthew Benjamin 2019 Go beyond the basics and become an expert in React Native! About This Video Learn advanced concepts such as animations and state management with real-world examples Each section is built upon the last, allowing you to learn skills that are related

and practical. No more to-do lists or calculators for you. The most up-to-date course, uses latest versions of React and will let you create an entire app with the latest and greatest packages. In Detail, React Native has changed the way people develop Android and iOS apps. Many people are able to understand the basics, but not everyone has been able to take it to the next step; that's where this course comes in. If you are having trouble getting your React Native app to the next level, you've come to the right place. This course will show you how to make an Apple and Android app (without any Java, Objective-C or Swift coding skills) that are production-ready and perform as amazingly as any native app should. This course is the guide the author wishes had existed when he first explored advanced React Native concepts. Step-by-step walkthroughs applied to high-level topics will make it easy for you to follow along. You'll begin by installing and implementing Redux. Once you familiarize yourself with Third Party API Integration, you'll

learn to optimize data flowing through the Redux store. Make your mobile application feel and look better with advanced animations. By learning to re-create the swiping cards concepts from apps like Tinder and Bumble, understand how to include remote and local notifications to grasp your user's attention. By the end of the video series, you'll be a master of React Native and confident enough to deploy apps to your customers. Also, you'll be able to develop React Native apps with ease, and you'll be your team's focal point when it comes to architecting complete React Native solutions for large businesses. Downloading the example code for this course: You can download the example code files for this course on GitHub at the following link:

<https://github.com/PacktPublishing/Mastering-React-Native-Development> . If you require support please email: customer-care@packt.com.

Building React Apps with Server-Side Rendering Mohit Thakkar 2020-04-02 Leverage

the benefits of both client-side and server-side rendering to get the most out of your React applications. By the end of this book you will be able to build and deploy React applications using the Next.js framework to fully render server-side HTML on every Web page. You'll begin by reviewing JavaScript fundamentals and how they work with the core principles of React. You'll then move on to Next.js, the React framework for server-rendered applications. Using this framework, you will create a fast and secure solutional React application that renders content on the server-side, protects sensitive information, and optimizes response times. Before deploying the application using Docker containers, you'll create automated unit tests to verify that every component is appropriately doing its job Building React Apps with Server-Side Rendering also covers other fun and interesting topics such as Bootstrap 4, JSX (JavaScript XML), adding styling to your React applications, and much more. By the end of this book, you will be able to build and

deploy React applications that fully render server-side HTML on every page. In the end you'll have a client-side rendered React application that integrates server-side rendering into it using Next.js framework. What You'll Learn Examine fundamental concepts of JavaScript (ES 2015)Create client-side apps using JavaScript frameworks React and ReduxAdd server-side rendering to React apps using the NextJS Framework Who This Book Is For Web developers who have prior experience in working with JavaScript, HTML and CSS, who wish to step up a level and create better web applications using modern JavaScript frameworks like React, Reduct & Next.

React Native Cookbook Jonathan Lebensold
2018-02-13 Tackling an app development project on multiple platforms is no simple task. When time is in short supply and customers need access from the tap of a home screen, React Native can provide a lean development team with the tools needed to deliver a multi-platform

native experience without juggling multiple programming languages and shifting code bases. React Native is an emerging technology and best practices are only beginning to bubble up. Fortunately, a growing user community—from tech giants such as Facebook, Yahoo, and Airbnb to the independent developers—is hard at work codifying patterns and best practices for how to use React Native. This cookbook is another milestone on that journey. Aimed at people with some JavaScript and web development experience, the first part of this cookbook covers some simple tips for getting started with React Native. Part 2 will cover some emerging patterns that are commonly found in most native applications.

[React Explained](#) Zac Gordon 2019-03-05 React Explained is a fun and enjoyable introduction to React, which is the Javascript framework of choice for WordPress, Drupal, Magento, and thousands of developers. Key Features Up-to-Date: Constantly updated, the material in React

Explained is always current. Clear instruction: You will follow plain English, clear visuals, and enjoyable step-by-step instructions. Hands-on learning: You will master React by building a complete React application. What You'll Learn In React Explained, readers will dig deep into how React works and will learn how to build applications with it. While the focus is on building for the frontend on the web, many of the skills you will learn will also apply to writing React on the server side, for native applications and even for Virtual Reality environments. Table of Contents The Javascript You Should Know for React Helpful Developer Tools for React A High Level Overview of React React Elements and Components Explained 5 Exercises in Writing React With Elements and Components JSX Explained 5 Exercises in Writing React With JSX Create React App Explained 5 Exercises With Create React App Props in React Explained 5 Exercises in Working With Props State in React Explained 5 Exercises in Working With State The

Component Lifecycle Explained 5 Exercises With the Component Lifecycle Project Introduction Step 1 - Listing Content from State Step 2 - Routing and Single Content Views Step 3 - Adding a Content Form Step 4 - Adding Flash Messages Step 5 - Updating Content Step 6 - Deleting Content Step 7 - Maintaining Persistent State With Local Storage Step 8 - Authenticating With a Firebase Database Step 9 - CRUD and Live Syncing With Firebase Step 10 - Deploying the Project Step 11 - Refactoring Your Code About the Author Zac Gordon is a professional educator, who currently focuses on JavaScript development with and alongside WordPress at javascriptforwp.com. Zac has years of experience teaching at high schools, colleges, bootcamps and online learning sites like Treehouse, Udemy and Frontend Masters. In addition to teaching, Zac also runs Web Hosting for Students, one of the world's largest hosting companies dedicated to students and teachers. You can also catch his free Office Yoga sessions on OfficeYoga.tv.

The The React Workshop Brandon Richey 2020-08-21 Work through engaging exercises and activities and gain practical skills to make your web applications function effortlessly with the help of React Key Features Explore the React environment by creating live projects Solve real-world problems relating to building modern web applications Gain a thorough understanding of how data moves through different React components Book Description Are you interested in how React takes command of the view layer for web and mobile apps and changes the data of large web applications without needing to reload the page? This workshop will help you learn how and show you how to develop and enhance web apps using the features of the React framework with interesting examples and exercises. The workshop starts by demonstrating how to create your first React project. You'll tap into React's popular feature JSX to develop templates and use DOM events to make your project interactive. Next, you'll focus on the lifecycle of the React

component and understand how components are created, mounted, unmounted, and destroyed. Later, you'll create and customize components to understand the data flow in React and how props and state communicate between components. You'll also use Formik to create forms in React to explore the concept of controlled and uncontrolled components and even play with React Router to navigate between React components. The chapters that follow will help you build an interesting image-search app to fetch data from the outside world and populate the data to the React app. Finally, you'll understand what ref API is and how it is used to manipulate DOM in an imperative way. By the end of this React book, you'll have the skills you need to set up and create web apps using React. What you will learn

Use JSX to include logic in the view layer of applications
Get familiar with the important methods and events in the React lifecycle
Distinguish between class and functional component syntaxes
Create forms with Formik

and handle errors

Understand the React Hooks API and the problems it can solve
Fetch outside data using the Axios library and populate the data to the app
Who this book is for
The React Workshop is for web developers and programmers who are looking to learn React and use it for creating and enhancing web applications. Although the workshop is for beginners, prior knowledge of JavaScript programming and HTML and CSS is necessary to easily understand the concepts that are covered.

Learning React Native Bonnie Eisenman
2017-10-23
Get a practical introduction to React Native, the JavaScript framework for writing and deploying fully featured mobile apps that render natively. The second edition of this hands-on guide shows you how to build applications that target iOS, Android, and other mobile platforms instead of browsers—apps that can access platform features such as the camera, user location, and local storage. Through code examples and step-by-step instructions, web

developers and frontend engineers familiar with React will learn how to build and style interfaces, use mobile components, and debug and deploy apps. You'll learn how to extend React Native using third-party libraries or your own Java and Objective-C libraries. Understand how React Native works under the hood with native UI components Examine how React Native's mobile-based components compare to basic HTML elements Create and style your own React Native components and applications Take advantage of platform-specific APIs, as well as modules from the framework's community Incorporate platform-specific components into cross-platform apps Learn common pitfalls of React Native development, and tools for dealing with them Combine a large application's many screens into a cohesive UX Handle state management in a large app with the Redux library

Learn React Hooks Daniel Bugl 2019-10-18
Create large-scale web applications with code that is extensible and easy to understand using

React Hooks Key Features Explore effective strategies for migrating your state management from Redux and MobX to React Hooks Integrate Hooks with React features such as Context and Suspense to add advanced functionality to your web apps Create complex applications by combining multiple hooks Book Description React Hooks revolutionize how you manage state and effects in your web applications. They enable you to build simple and concise React.js applications, along with helping you avoid using wrapper components in your applications, making it easy to refactor code. This React book starts by introducing you to React Hooks. You will then get to grips with building a complex UI in React while keeping the code simple and extensible. Next, you will quickly move on to building your first applications with React Hooks. In the next few chapters, the book delves into various Hooks, including the State and Effect Hooks. After covering State Hooks and understanding how to use them, you will focus on the capabilities of

Effect Hooks for adding advanced functionality to React apps. You will later explore the Suspense and Context APIs and how they can be used with Hooks. Toward the concluding chapters, you will learn how to integrate Redux and MobX with React Hooks. Finally, the book will help you develop the skill of migrating your existing React class components, and Redux and MobX web applications to Hooks. By the end of this book, you will be well-versed in building your own custom Hooks and effectively refactoring your React applications. What you will learn

Understand the fundamentals of React Hooks and how they modernize state management in React apps

Build your own custom Hooks and learn how to test them

Use community Hooks for implementing responsive design and more

Learn the limitations of Hooks and what you should and shouldn't use them for

Get to grips with implementing React context using Hooks

Refactor your React-based web application, replacing existing React class

components with Hooks

Use state management solutions such as Redux and MobX with React Hooks

Who this book is for

This book is for React developers who want to learn how to build applications with Hooks. Developers who are looking to migrate to React for its advanced feature set and capabilities will also find the book useful.

Programming JavaScript Applications Eric Elliott
2014-06-26

Take advantage of JavaScript's power to build robust web-scale or enterprise applications that are easy to extend and maintain. By applying the design patterns outlined in this practical book, experienced JavaScript developers will learn how to write flexible and resilient code that's easier—yes, easier—to work with as your code base grows. JavaScript may be the most essential web programming language, but in the real world, JavaScript applications often break when you make changes. With this book, author Eric Elliott shows you how to add client- and server-side

features to a large JavaScript application without negatively affecting the rest of your code. Examine the anatomy of a large-scale JavaScript application Build modern web apps with the capabilities of desktop applications Learn best practices for code organization, modularity, and reuse Separate your application into different layers of responsibility Build efficient, self-describing hypermedia APIs with Node.js Test, integrate, and deploy software updates in rapid cycles Control resource access with user authentication and authorization Expand your application's reach through internationalization

MERN Quick Start Guide Eddy Wilson
2018-05-31 The MERN stack is a collection of great tools – MongoDB, ExpressJS, React, and Node – that provide a strong base for a developer to build easily maintainable web applications. With each of them a JavaScript or JavaScript-based technology, the shared programming language means it takes less time to develop web applications.

MobX Quick Start Guide Pavan Podila 2018-07-26 Apply functional Reactive programming for simple and scalable state management with MobX Key Features The easiest way to learn MobX to enhance your client-side state-management Understand how the concepts and components fit together Work through different state management scenarios with MobX Book Description MobX is a simple and highly scalable state management library in JavaScript. Its abstractions can help you manage state in small to extremely large applications. However, if you are just starting out, it is essential to have a guide that can help you take the first steps. This book aims to be that guide that will equip you with the skills needed to use MobX and effectively handle the state management aspects of your application. You will first learn about observables, actions, and reactions: the core concepts of MobX. To see how MobX really shines and simplifies state management, you'll work through some real-world use cases. Building on

these core concepts and use cases, you will learn about advanced MobX, its APIs, and libraries that extend MobX. By the end of this book, you will not only have a solid conceptual understanding of MobX, but also practical experience. You will gain the confidence to tackle many of the common state management problems in your own projects. What you will learn Explore the fundamental concepts of MobX, such as observables, actions, and reactions Use observables to track state and react to its changes with validations and visual feedback (via React Components) Create a MobX observable from different data types Define form data as an observable state and tackle sync and async form validations Use the special APIs to directly manipulate observables, tracking its changes, and discovering the reasons behind a change Tackle any state management issue you may have in your app by combining mobx-utils and mobx-state-tree Explore the internals of the MobX reactive system by diving into its inner

workings Who this book is for This book is for web developers who want to implement easy and scalable state management for their apps. Knowledge of HTML, CSS, and JavaScript is assumed

React Native Cookbook Crysfel Villa
2016-12-30 Take your React Native application development to the next level with this large collection of recipes About This Book* Build rich and engaging user experiences in React Native while maintaining peak application performance* Leverage the best of iOS and Android for React Native development while maximizing code reuse and cohesion* Implement architecture patterns in your React Native application that support efficient data access, routing, and testing Who This Book Is For This book is for web developers who are familiar with React.js and know basics of UI development. You may or may not have used React Native before, but it's ideal for you if you want to develop native applications for iOS and Android using React Native. Existing knowledge

of JavaScript ES2015 is highly recommended. What You Will Learn* Build simple and complex user interfaces using React Native* Create advanced animations for UI components* Build universal apps that run on phones and tablets* Leverage Redux to manage application flow and data* Expose both custom native UI components and application logic to React Native* Integrate with existing native applications on iOS and Android* Deploy our React Native application to the Google Play and Apple App Store* Add automated testing to our React Native application

In Detail React has taken the web development world by storm. It is only natural that the unique architecture and its ecosystem of third-party support be applied to native application development. This book will take you through the basics of React Native development all the way through some more advanced components. In this book, we will cover topics in React Native ranging from adding basic UI components to successfully deploying for

multiple target platforms. The book follows a top-down approach beginning with building rich user interfaces. These UIs will be created with both built-in and custom components that you will create, style and animate. You will then learn about different strategies for working with data, including leveraging the popular Redux library and optimizing the performance of the application. Then you will step further into exposing native device functionality. Finally, we will discuss how to put our application into production and maintain its reliability.

React in Action Mark Thomas 2018-05-28

Summary React in Action introduces front-end developers to the React framework and related tools. This clearly written, example-rich book begins by introducing you to React, diving into some of the fundamental ideas in React, and working with components. In the second section, you'll explore the different ways that data works in React as well as learning more about components. You'll also find several useful

appendixes covering related topics like React tooling and the React ecosystem. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Facebook created React to help deliver amazing user experiences on a website with thousands of components and an incomprehensible amount of traffic. The same powerful tools are available to you too! The key is a clever design for managing state, data flow, and rendering, so your application is easy to think about and runs smoothly. Add an incredibly rich ecosystem of components and libraries, and you've got a recipe for building web apps that will delight both developers and users. About the Book React in Action teaches you to think like a pro about user interfaces and building them with React. This practical book gets you up and running quickly with hands-on examples in every chapter. You'll master core topics like rendering, lifecycle methods, JSX, data flow, forms, routing, integrating with third-party libraries, and testing.

And the included application design ideas will help make your apps pop. As you learn to integrate React into full-stack applications, you'll explore state management with Redux and server-side rendering, and even dabble in React Native for mobile UIs. What's Inside React from the ground up Implementing a routing system with components Server-side rendering in Node.js Working with third-party libraries Testing React components About the Reader Written for developers familiar with HTML, CSS, and JavaScript. About the Author Mark Thomas is an experienced software engineer who works daily with React, JavaScript, and Node.js. He loves clean code, beautiful systems, and good coffee. Table of Contents PART 1 - MEET REACT Meet React Our first component PART 2 - COMPONENTS AND DATA IN REACT Data and data flow in React Rendering and lifecycle methods in React Working with forms in React Integrating third-party libraries with React Routing in React More routing and integrating

Firestore Testing React components PART 3 -
REACT APPLICATION ARCHITECTURE Redux
application architecture More Redux and
integrating Redux with React React on the server
and integrating React Router An introduction to
React Native

Redux in Action Marc Garreau 2018-05-11
Summary With Redux in Action, you'll discover
how to integrate Redux into your React
application and development environment. With
the insights you glean from the experience of
authors Marc Garreau and Will Faurot, you'll be
more than confident in your ability to solve your
state management woes with Redux and focus
on developing the apps you need! Foreword by
Mark Erikson, Redux co-maintainer. Purchase of
the print book includes a free eBook in PDF,
Kindle, and ePub formats from Manning
Publications. About the Technology With Redux,
you manage the state of a web application in a
single, simple object, practically eliminating most
state-related bugs. Centralizing state with Redux

makes it possible to quickly start saved user
sessions, maintain a reliable state history, and
smoothly transfer state between UIs. Plus, the
Redux state container is fully programmable and
integrates cleanly with React and other popular
frameworks. About the Book Redux in Action is
an accessible guide to effectively managing state
in web applications. Built around common use
cases, this practical book starts with a simple
task-management application built in React.
You'll use the app to learn the Redux workflow,
handle asynchronous actions, and get your hands
on the Redux developer tools. With each step,
you'll discover more about Redux and the
benefits of centralized state management. The
book progresses to more-complex examples,
including writing middleware for analytics, time
travel debugging, and an overview of how Redux
works with other frameworks such as Angular
and Electron. What's Inside Using Redux in an
existing React application Handling side effects
with the redux-saga library Consuming APIs with

asynchronous actions Unit testing a React and Redux application About the Reader For web developers comfortable with JavaScript and React. About the Author Marc Garreau has architected and executed half a dozen unique client-side applications using Redux. Will Faurot is a mentor for Redux developers of all skill levels. Table of Contents Introducing Redux Your first Redux application Debugging Redux applications Consuming an API Middleware Handling complex side effects Preparing data for components Structuring a Redux store Testing Redux applications Performance Structuring Redux code Redux beyond React

React Native in Action Nader Dabit 2019-04
"Written for beginner-to-intermediate web, Android, and iOS developers.

React Native Cookbook - Second Edition Dan Ward 2019 Improve your React Native mobile development skills or transition from web development to mobile development with this practical solution-packed guide Key Features

Learn strategies and techniques to face challenges in React Native mobile development head-on Leverage the best ways to use iOS and Android for React Native development while maximizing code reuse and cohesion Build engaging, performant user experiences with React Native Book Description If you are a developer looking to create mobile applications with maximized code reusability and minimized cost, then React Native is here to help. With this practical guide, you will be able to build attractive UIs, tackle common mobile development-related issues, and achieve improved performance in mobile environments. This book starts with common techniques for React Native customization and helps you set up your development platforms. Over the course of the book, a wide variety of step-by-step recipes are designed with both built-in React Native and custom third-party components that you will create, style, and animate. You will create real-world browser-based authentication, build a fully

functional audio player, and integrate with Google maps. You will also explore different strategies for working with data, including leveraging the popular Redux library and optimizing your app's dataflow. You will then get an introduction to writing native device functionality for new and already existing native projects. Finally, you will learn how app deployment works, and tips and tricks for writing performant code. By the end of the book, you'll have gained enough knowledge to build full iOS and Android applications using React Native. What you will learn Build UI features and components using React Native Create advanced animations for UI components Develop universal apps that run on phones and tablets Leverage Redux to manage application flow and data Expose both custom native UI components and application logic to React Native Employ open-source third-party plugins to create React Native apps more efficiently Who this book is for If you're a JavaScript developer looking for a

practical guide with step-by-step tutorials for developing feature rich mobile apps using React Native, then this book is for you. Though not required, some experience working with React will help you more easily understand the React Native concepts covered in this book. While React Native development can be done on a Windows mach ...

Hands-On Design Patterns with React Native Mateusz Grzesiukiewicz 2018-09-29

Learn how to write cross platform React Native code by using effective design patterns in the JavaScript world. Get to know industry standard patterns as well as situational patterns. Decouple your application with these set of "Idea patterns". Key Features Mobile development in React Native should be done in a reusable way. Learn how to build scalable applications using JavaScript patterns that are battle tested. Try effective techniques on your own using over 80 standalone examples. Book Description React Native helps developers reuse code across

different mobile platforms like iOS and Android. This book will show you effective design patterns in the React Native world and will make you ready for professional development in big teams. The book will focus only on the patterns that are relevant to JavaScript, ECMAScript, React and React Native. However, you can successfully transfer a lot of the skills and techniques to other languages. I call them “Idea patterns”. This book will start with the most standard development patterns in React like component building patterns, styling patterns in React Native and then extend these patterns to your mobile application using real world practical examples. Each chapter comes with full, separate source code of applications that you can build and run on your phone. The book is also diving into architectural patterns. Especially how to adapt MVC to React environment. You will learn Flux architecture and how Redux is implementing it. Each approach will be presented with its pros and cons. You will learn how to work with external

data sources using libraries like Redux thunk and Redux Saga. The end goal is the ability to recognize the best solution for a given problem for your next mobile application. What you will learn

- Explore the design Patterns in React Native
- Learn the best practices for React Native development
- Explore common React patterns that are highly used within React Native development
- Learn to decouple components and use dependency injection in your applications
- Explore the best ways of fetching data from the backend systems
- Learn the styling patterns and how to implement custom mobile designs
- Explore the best ways to organize your application code in big codebases

Who this book is for

The ideal target audience for this book are people eager to learn React Native design patterns who already know the basics of JavaScript. We can assume that the target audience already knows how to write Hello World in JavaScript and know what are the functions, recursive functions, JavaScript types and loops.

Android for Java Programmers Abdul-Rahman Mawlood-Yunis 2022-06-24 This textbook is about learning Android and developing native apps using the Java programming language. It follows Java and Object-Oriented (OO) programmers' experiences and expectations and thus enables them to easily map Android concepts to familiar ones. Each chapter of the book is dedicated to one or more Android development topics and has one or more illustrating apps. The topics covered include activities and transitions between activities, Android user interfaces and widgets, activity layouts, Android debugging and testing, fragments, shared preferences, SQLite and firebase databases, XML and JSON processing, the content provider, services, message broadcasting, async task and threading, the media player, sensors, Android Google maps, etc. The book is intended for introductory or advanced Android courses to be taught in one or two semesters at universities and colleges. It uses code samples and exercises extensively to

explain and clarify Android coding and concepts. It is written for students and programmers who have no prior Android programming knowledge as well as those who already have some Android programming skills and are excited to study more advanced concepts or acquire a deeper knowledge and understanding of Android programming. All the apps in the book are native Android apps and do not need to use or include third-party technologies to run.

Redux Made Easy with Rematch Sergio Moreno 2021-08-27 Redux Made Easy with Rematch is a hands-on guide to implementing associated methodologies that will help you get up and running with Rematch in no time. With this book, you'll get well-versed with the basics of Redux and Rematch and understand how they work.

Clean Architecture Robert C. Martin 2017-09-12 Practical Software Architecture Solutions from the Legendary Robert C. Martin ("Uncle Bob") By applying universal rules of software architecture,

you can dramatically improve developer productivity throughout the life of any software system. Now, building upon the success of his best-selling books *Clean Code* and *The Clean Coder*, legendary software craftsman Robert C. Martin (“Uncle Bob”) reveals those rules and helps you apply them. Martin’s *Clean Architecture* doesn’t merely present options. Drawing on over a half-century of experience in software environments of every imaginable type, Martin tells you what choices to make and why they are critical to your success. As you’ve come to expect from Uncle Bob, this book is packed with direct, no-nonsense solutions for the real challenges you’ll face—the ones that will make or break your projects. Learn what software architects need to achieve—and core disciplines and practices for achieving it. Master essential software design principles for addressing function, component separation, and data management. See how programming paradigms impose discipline by restricting what developers

can do. Understand what’s critically important and what’s merely a “detail.” Implement optimal, high-level structures for web, database, thick-client, console, and embedded applications. Define appropriate boundaries and layers, and organize components and services. See why designs and architectures go wrong, and how to prevent (or fix) these failures. *Clean Architecture* is essential reading for every current or aspiring software architect, systems analyst, system designer, and software manager—and for every programmer who must execute someone else’s designs. Register your product for convenient access to downloads, updates, and/or corrections as they become available.

React Native in Action nader dabit 2019-03-07
Summary *React Native in Action* gives iOS, Android, and web developers the knowledge and confidence they need to begin building high-quality iOS and Android apps using the React Native framework. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub

formats from Manning Publications. About the Technology React Native gives mobile and web developers the power of "and." Write your app once and easily deploy it to iOS and Android and the web. React Native apps compile into platform-specific code, reducing development time, effort, and cost! And because you're using JavaScript and the React framework, you benefit from a huge ecosystem of tools, expertise, and support. About the Book React Native in Action teaches you to build high-quality cross-platform mobile and web apps. In this hands-on guide, you'll jump right into building a complete app with the help of clear, easy-to-follow instructions. As you build your skills, you'll drill down to more-advanced topics like styling, APIs, animations, data architecture, and more! You'll also learn how to maximize code reuse without sacrificing native platform look-and-feel. What's Inside Building cross-platform mobile and web apps Routing, Redux, and animations Cross-network data requests Storing and retrieving data locally

Managing data and state About the Reader Written for beginner-to-intermediate web, Android, and iOS developers. About the Authors Nader Dabit is a developer advocate at AWS Mobile, where he works on tools and services to allow developers to build full-stack web and mobile applications using their existing skillset. He is also the founder of React Native Training and the host of the "React Native Radio" podcast. Table of Contents PART 1 Getting started with React Native Getting started with React Native Understanding React Building your first React Native app PART 2 Developing applications in React Native Introduction to styling Styling in depth Navigation Animations Using the Redux data architecture library PART 3 API reference Implementing cross-platform APIs Implementing iOS-specific components and APIs Implementing Android-specific components and APIs PART 4 Bringing it all together Building a Star Wars app using cross-platform components **Learning Redux** Daniel Bugl 2017-08-31 Build

consistent web apps with Redux by easily centralizing the state of your application. About This Book Write applications that behave consistently, run in different environments (client, server and native), and are easy to test Take your web apps to the next level by combining the power of Redux with other frameworks such as React and Angular Uncover the best practices and hidden features of Redux to build applications that are powerful, consistent, and maintainable Who This Book Is For This book targets developers who are already fluent in JavaScript but want to extend their web development skills to develop and maintain bigger applications. What You Will Learn Understand why and how Redux works Implement the basic elements of Redux Use Redux in combination with React/Angular to develop a web application Debug a Redux application Interface with external APIs with Redux Implement user authentication with Redux Write tests for all elements of a Redux

application Implement simple and more advanced routing with Redux Learn about server-side rendering with Redux and React Create higher-order reducers for Redux Extend the Redux store via middleware In Detail The book starts with a short introduction to the principles and the ecosystem of Redux, then moves on to show how to implement the basic elements of Redux and put them together. Afterward, you are going to learn how to integrate Redux with other frameworks, such as React and Angular. Along the way, you are going to develop a blog application. To practice developing growing applications with Redux, we are going to start from nothing and keep adding features to our application throughout the book. You are going to learn how to integrate and use Redux DevTools to debug applications, and access external APIs with Redux. You are also going to get acquainted with writing tests for all elements of a Redux application. Furthermore, we are going to cover important concepts in web development, such as

routing, user authentication, and communication with a backend server. After explaining how to use Redux and how powerful its ecosystem can be, the book teaches you how to make your own abstractions on top of Redux, such as higher-order reducers and middleware. By the end of the book, you are going to be able to develop and maintain Redux applications with ease. In

addition to learning about Redux, you are going to be familiar with its ecosystem, and learn a lot about JavaScript itself, including best practices and patterns. Style and approach This practical guide will teach you how to develop a complex, data-intensive application leveraging the capabilities of the Redux framework.