
React Native Cookbook Step By Step Recipes For So

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*React Native Cookbook
Step By Step Recipes
For So*

2021-06-07

SANTANA RORY

Practical React Native Packt Publishing Ltd

Leverage frontend development skills to build impressive iOS and Android applications with React Native About This Book Apply flexbox to get layout and build rich animations that bring your React Native application to life Integrate third-party libraries and develop customized components that run natively on iOS and Android platforms Combine React Native with Redux, Redux middleware, and a remote API to build scalable data-driven applications Who This Book Is For This book is for anyone who wants to build cross-platform native mobile applications using only JavaScript and the React Native framework. In particular, this

book is especially useful for front-end developers who want to use their current skillset to build mobile applications. An existing working knowledge of JavaScript will help you get the most out of this book. What You Will Learn Implement native React Native components and APIs Explore React's JSX syntax Manage data using Redux and Redux middleware Build applications with React Native on both iOS and Android platforms Perform animations in your applications using the animation APIs Understand routing and Navigator comparison Create your own Native module In Detail React Native has completely revolutionized mobile development by empowering JavaScript developers to build world-class mobile apps that run natively on mobile platforms. This book will show you how to apply JavaScript and other front-end skills to build cross-platform React Native applications for iOS and Android

using a single codebase. This book will provide you with all the React Native building blocks necessary to become an expert. We'll give you a brief explanation of the numerous native components and APIs that come bundled with React Native including Images, Views, ListView, WebViews, and much more. You will learn to utilize form inputs in React Native. You'll get an overview of Facebook's Flux data architecture and then apply Redux to manage data with a remote API. You will also learn to animate different parts of your application, as well as routing using React Native's navigation APIs. By the end of the book, you will be able to build cutting-edge applications using the React Native framework. Style and approach This comprehensive guide will take your React Native skills to the next level. It shows you how to develop a clear workflow to build scalable applications, and how to implement the architectural concepts covered to build applications that shine in the real world.

React Quickly Independently Published 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

Professional React Native Packt Publishing Ltd

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.

React Js Packt Publishing Ltd

Build cross-platform applications of varying complexity for the web, mobile, and VR devices using React tooling Key FeaturesBuild React applications at scale using effective React patterns and best practicesExplore React features such as Hooks, the Context API, and the Suspense APIExtend React's integration with React Native for building cross-platform mobile apps and gamesBook Description Developed by Facebook, React is a popular library for building impressive user interfaces. React extends its capabilities to the mobile platform using the React Native framework and integrates with popular web and mobile tools to build scalable applications. React Projects is your guide to learning React development by using modern development patterns and integrating React with powerful web tools such as GraphQL, Expo, and React 360. You'll start building a real-world project right from the first chapter and get hands on with developing scalable applications as you advance to building more complex projects. Throughout the book, you'll use the latest versions of React and React Native to explore features such as Higher Order Components (HOC), Context, and Hooks on multiple platforms, which will help you build full stack web and mobile applications efficiently. Finally, you'll delve into unit testing with Jest to build test-driven apps. By the end of this React book, you'll have developed the skills necessary to start building scalable React apps across web and mobile

platforms. What you will learn
 Create a wide range of applications using various modern React tools and frameworks
 Discover how React Hooks modernize state management for React apps
 Develop progressive web applications using React components
 Build test-driven React applications using the Jest and Enzyme frameworks
 Understand full stack development using React, Apollo, and GraphQL
 Perform server-side rendering using React and React Router
 Design gestures and animations for a cross-platform game using React Native
 Who this book is for
 The book is for JavaScript developers who want to explore React tooling and frameworks for building cross-platform applications. Basic knowledge of web development, ECMAScript, and React will assist with understanding key concepts covered in this book.

React Projects Packt Publishing Ltd
 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 Js Apress
 Everything you need to start working with React 16 and assess React Fiber
 About This Book
 Hands-on examples and tutorials for the latest React 16 release
 Assess the impact of React Fiber for your future web development
 Build

maintainable and high performance React 16 web applications Who This Book Is For If you're a frontend developer with some knowledge of native JavaScript development and frontend frameworks, wishing to learn the fastest web user interface library there is, then this book is ideal for you. What You Will Learn Learn to code React 16 with hands-on examples and clear tutorials Install powerful React 16 tools to make development much more efficient Understand the impact of React Fiber today and the future of your web development Utilize the Redux application architecture with your React components Create React 16 elements with properties and children Get started with stateless and stateful React components Use JSX to speed up your React 16 development process Add reactivity to your React 16 components with lifecycle methods Test your React 16 components with the Jest test framework In Detail React 16 Essentials, Second Edition, fully updated for React 16, takes you on a fast-paced journey through building your own maintainable React 16 applications. React experts Artemij Fedosejev and Adam Boduch give you all the essentials you need to know and start working with React 16, in this new edition of the best-selling React.js Essentials title. You'll find the latest React 16 code updates, assessment of React Fiber, new coverage of Redux, and how to work as a modern React developer. The authors offer you their current assessment of React Fiber, and you'll soon be exploring React 16 hands on, creating your own single and multiple user interface elements with React 16. You'll then see how to create stateless and stateful components and make them reactive. You'll also learn to interact between your

components and lifecycle methods, and gauge how to effectively integrate your user interface components with other JavaScript libraries. Delve deep into the core elements of the Redux architecture and learn how to manage your application and data persistence. Then go the extra mile with the Jest test framework, and run multiple tests on your applications and find solutions to scale without complexity. Today React is used by Facebook, Instagram, Khan Academy, and Imperial College London, to name a few. Many new users recognize the benefits of React and adopt it in their own projects, forming a fast-growing community. The speed at which React has evolved promises a bright future for anyone who invests in learning it today. Let Artemij and Adam bring you a brand new look at React 16 and React Fiber, and move your web development into the future. Style and approach React 16 Essentials, Second Edition, will take you on a fast-paced, hands-on journey through building your own maintainable React 16 applications.

React Native Cookbook Packt Publishing Ltd

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

Learning React Independently Published 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 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.

Modern JavaScript Web Development Cookbook Packt Publishing Ltd

Learn how to use Next.js for building web apps without compromising performance, user experience, and developer happiness Key Features Develop scalable web applications using Next.js Use Next.js as a frontend for existing backends and e-commerce websites and understand how to implement it with any headless CMS Deploy Next.js on different platforms, such as Vercel, DigitalOcean, and AWS, or on your own server Book Description Next.js is a scalable and high-performance React.js framework for modern web development and provides a large set of features, such as hybrid rendering, route prefetching, automatic image optimization, and internationalization, out of the box. If you are looking to create a blog, an e-commerce website, or a simple website, this book will show you how you can use

the multipurpose Next.js framework to create an impressive user experience. Starting with the basics of Next.js, the book demonstrates how the framework can help you reach your development goals. You'll realize how versatile Next.js is as you build real-world applications with step-by-step explanations. This Next.js book will guide you in choosing the right rendering methodology for your website, securing it, and deploying it to different providers, all while focusing on performance and developer happiness. By the end of the book, you'll be able to design, build, and deploy modern architectures using Next.js with any headless CMS or data source. What you will learn

Get up to speed with Next.js essentials and learn how to build apps quickly

Understand how to create scalable Next.js architectures

Choose between different rendering strategies, such as client-side rendering (CSR), static site generation (SSG), server-side rendering (SSR), and incremental static regeneration (ISR)

Write unit tests and integration tests in your Next.js application

Discover the powerful routing system and Next.js' built-in components

Design and build modern architectures with Next.js using GraphQL or any headless CMS

Who this book is for This book is for web developers who want to improve their React skills by building scalable and maintainable full-stack applications using the modern Next.js web framework. Intermediate-level knowledge of ES6+, React, Node.js, and REST is assumed.

React and React Native Packt Publishing Ltd

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.

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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.

React Cookbook Packt Publishing Ltd
 Get to grips with the AWS Amplify framework and use it to build scalable cloud-native progressive web apps with React and cross-platform mobile apps with React Native in TypeScript
 Key Features
 Explore the capabilities of AWS Amplify with popular app frameworks for both web and mobile app platforms
 Build your first cloud-native web and mobile applications using AWS Amplify
 Leverage AWS Amplify to design GraphQL APIs for your web and mobile applications
 Book Description
 AWS Amplify is a modern toolkit that includes a command line interface (CLI); libraries for JS, iOS, and Android programming; UI component libraries for frameworks like React, Angular, and Vue.js for web development, and React Native and Flutter for mobile development. You'll begin by learning how to build AWS Amplify solutions with React and React Native with TypeScript from scratch, along with integrating it with existing solutions. This book will show you the fastest way to build a production-ready minimum viable product (MVP) within days instead of years. You'll also discover how to increase development speed without compromising on quality by adopting behavior-driven development (BDD) and Cypress for end-to-end test automation, as well as the Amplify build pipeline (DevOps or CI/CD pipeline) to ensure optimal quality

throughout continuous test automation and continuous delivery. As you advance, you'll work with React to determine how to build progressive web apps (PWAs) with Amplify and React Native for cross-platform mobile apps. In addition to this, you'll find out how to set up a custom domain name for your new website and set up the AWS Amplify Admin UI for managing the content of your app effectively. By the end of this AWS book, you'll be able to build a full-stack AWS Amplify solution all by yourself. What you will learn
 Build React and React Native apps with Amplify and TypeScript
 Explore pre-built Amplify UI components for rapid prototyping
 Add user management with Amplify authentication to your app
 Use Amplify GraphQL to create a blog post
 Discover how to upload photos to Amplify Storage
 Enable DevOps with the Amplify pipeline for your app
 Get to grips with BDD and test automation with Cypress and Cucumber
 Set up a custom domain name for your website and manage app content with the Amplify Admin UI
 Who this book is for
 This book is for developers and tech companies looking to develop cloud-native products rapidly with the AWS ecosystem. Web and mobile developers with little-to-no experience in TypeScript programming will also find this book helpful. Although no prior experience with AWS or TypeScript is required, basic familiarity with modern frameworks such as React and React Native is useful.

React.js Essentials Packt Publishing Ltd
 Get up and running with ReactJS by developing five cutting-edge and responsive projects
 About This Book
 Create pragmatic real-world applications while learning React and its modern developer tools
 Build sustainable user interfaces by transforming data into

components of UI Learn how to generate reusable ReactJS components effectively Who This Book Is For If you are a web developer and wish to learn ReactJS from scratch, then this book is tailor-made for you. Good understanding of Javascript, HTML, and CSS is expected. What You Will Learn Create, reuse, and compose React components using JSX Share data between various React components and techniques for data flow within a React app Handle user interactions with the help of event handlers and dynamic components Set up and use various next generation ES2015/ES6 features with React Understand the performance and immutability features of React using React add-ons Learn the techniques of Animation in React Use data stores to store model-related data and information Create a flux-based React application by using Reflux library In Detail ReactJS is an open-source JavaScript library that brings the power of reactive programming to web applications and sites. It aims to address the challenges encountered in developing single-page applications, and is intended to help developers build large, easily scalable and changing web apps. Starting with a project on Open Library API, you will be introduced to React and JSX before moving on to learning about the life cycle of a React component. In the second project, building a multi-step wizard form, you will learn about composite dynamic components and perform DOM actions. You will also learn about building a fast search engine by exploring server-side rendering in the third project on a search engine application. Next, you will build a simple frontpage for an e-commerce app in the fourth project by using data models and React add-ons. In the final project you will develop a complete

social media tracker by using the flux way of defining React apps and know about the best practices and use cases with the help of ES6 and redux. By the end of this book, you will not only have a good understanding of ReactJS but will also have built your very own responsive frontend applications from scratch. Style and approach An easy-to-follow program to learn ReactJS with the help of real world projects. Each topic is explained within the context of a project and provides plenty of tips and tricks for using ReactJS.

React: Cross-Platform Application Development with React Native Shaaran Lakshminarayanan

REACT This book/tutorial is about ReactJS and it is designed to move you from beginner to advanced programming. This book is based on 17 chapters well managed and it will help you to become a React JS expert in less than 7 days. Each chapter will contain a certain number of relevant topics with illustrations and exercises where necessary, this will all be finished off with an end of chapter quiz for an easy and enjoyable learning. Benefits of reading this book that you're not going to find anywhere else: It helps you to understand React Easily. You can learn how to install Node JS based on ReactJS. With React you can build applications fast. ReactJS is SEO friendly. It makes code writing simple. We can use React with other libraries. React JS is very light weight front-end framework which allows developers to create web applications faster. Great Community Support. Supports State Management using Redux. **CLICK ADD TO CART TO GET THIS AMAZING BOOK!**

React 16 Essentials Packt Publishing Ltd You may have picked up this book with some level of JavaScript knowledge.

There is also a high probability that you have an idea of what React js is. This chapter highlights the key aspects of React as a framework, explains the problems it solves, and describes how you can utilize the features and the rest of the information contained in this book to better your web development practices and create complex, yet maintainable user interfaces using React. Defining React js React js is a JavaScript framework. React was originally created by engineers at Facebook to solve the challenges involved when developing complex user interfaces with datasets that change over time. This is not a trivial undertaking and must not only be maintainable, but also scalable to work at the scale of Facebook. React js was actually born in Facebook's ads organization, where they had been utilizing a traditional client-side Model-View-Controller approach. Applications such as these normally consist of two-way data binding along with rendering template. React changed the way that these applications were created by making some daring advances in web development. When React js was released in 2013, the web development community was both interested and seemingly disgusted by what React was doing. As you will discover throughout this book, React challenges conventions that have become the de-facto standards for JavaScript framework best practices. React does this by introducing many new paradigms and shifting the status quo of what it takes to create scalable and maintainable JavaScript applications and user interfaces. Along with the shift in front-end development mentality, React comes with a rich set of features that make composing a single-page application or user interface

approachable for developers of many skill levels-from those who have just been introduced to JavaScript, to seasoned veterans of the web. You will see these features-such as the virtual DOM, JSX, and Flux concepts-as you read this book and discover how they can be used to create complex user interfaces. You will also see, in brief, how Facebook is continually challenging the development world with React Native. React Native is a new open source library for creating native user interfaces utilizing the same principles as React's JavaScript library. By creating a Native UI library, React has pushed its value proposition of "learn once, write anywhere." This paradigm shift applies to being able to utilize the core concepts of React in order to make maintainable interfaces. By now it is possible you are thinking that there is nothing React can't do when it comes to development. This is not the case, and in order to further understand what React is, you need an understanding of what React is not, which you learn later in this chapter. First, you will understand the underlying problems that caused React to be created and how React solves those problems.

Mastering React Native Packt Publishing Ltd

Develop modern-day applications by implementing Material Design principles in React using Material-UI Key Features Use React components to build intuitive UI elements Explore a variety of styles and themes in the Material-UI framework using React components Learn practical React recipes and best practices for building modern web applications Book Description Material-UI is a component library for rendering UI elements, using modern best practices from React and

Material Design. This book will show you how you can create impressive and captivating modern-day web apps by implementing Material Design considerations. The book is designed to help you use a variety of Material-UI components to enhance UI functionality, along with guiding you through React best practices, and using state, context, and other new React 16.8 features. You will start with layout and navigation, exploring the Grid component and understanding how it's used to build layouts for your Material-UI apps. Using Material-UI components, you'll then explore the technique of effectively presenting information. In later sections, you will also learn about the different components for user interactions such as the text input component and buttons. Finally, the book will get you up to speed with customizing the look and feel of your app, right from creating a Material-UI theme through to styling icons and text. By the end of this book, you will have developed the skills you need to improve the look and feel of your applications using Material-UI components. What you will learn

Build the overall structure and navigation for your Material-UI app

Present simple and complex information in a variety of ways

Develop interactive and intuitive controls

Group content into sections using tabs and expansion panels

Create a general page layout with Material-UI grids

Use lists for complex data, and cards for detailed information

Who this book is for

This book is for React developers who want to implement Material Design principles in their applications. You will also find this book helpful if you are a developer who wants to build a UI using React components without having to build your own UX framework.

React Native for Mobile Development "O'Reilly Media, Inc."

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.

ReactJS by Example - Building Modern Web Applications with React "O'Reilly Media, Inc."

You may have picked up this book with some level of JavaScript knowledge. There is also a high probability that you have an idea of what React js is. This chapter highlights the key aspects of React as a framework, explains the problems it solves, and describes how you can utilize the features and the rest of the information contained in this book to better your web development practices and create complex, yet maintainable user interfaces using React. Defining React js React js is a JavaScript framework. React was originally created by engineers at Facebook to solve the challenges involved when developing complex user interfaces with datasets that change over time. This is not a trivial undertaking and must not only be maintainable, but also scalable to work at the scale of Facebook. React js was actually born in Facebook's ads organization, where they had been utilizing a traditional client-side Model-View-Controller approach. Applications such as these normally consist of two-way data binding along with rendering template. React changed the way that these applications were created by making some daring advances in web development. When React js was released in 2013, the web development

community was both interested and seemingly disgusted by what React was doing. As you will discover throughout this book, React challenges conventions that have become the de-facto standards for JavaScript framework best practices. React does this by introducing many new paradigms and shifting the status quo of what it takes to create scalable and maintainable JavaScript applications and user interfaces. Along with the shift in front-end development mentality, React comes with a rich set of features that make composing a single-page application or user interface approachable for developers of many skill levels-from those who have just been introduced to JavaScript, to seasoned veterans of the web. You will see these features-such as the virtual DOM, JSX, and Flux concepts-as you read this book and discover how they can be used to create complex user interfaces. You will also see, in brief, how Facebook is continually challenging the development world with React Native. React Native is a new open source library for creating native user interfaces utilizing the same principles as React's JavaScript library. By creating a Native UI library, React has pushed its value proposition of "learn once, write anywhere." This paradigm shift applies to being able to utilize the core concepts of React in order to make maintainable interfaces. By now it is possible you are thinking that there is nothing React can't do when it comes to development. This is not the case, and in order to further understand what React is, you need an understanding of what React is not, which you learn later in this chapter. First, you will understand the underlying problems that caused React to be created and how React solves those problems.

Learning React Native Packt Publishing Ltd

About this book Developed by Facebook, React Native is one of the leading frameworks to build native mobile apps for Android and iOS. You use small manageable components to build mobile applications that look and feel truly 'native'. In this book, we take you on a fun, hands-on and pragmatic journey to master React Native. You'll start building React Native apps using functional components within minutes. Every section is written in a bite-sized manner and straight to the point as I don't want to waste your time (and most certainly mine) on the content you don't need. In the end, you will have what it takes to develop a real-life app. Requirements Basic familiarity with HTML, Javascript and object-oriented programming. No prior knowledge of React Native is required as we start from React basics. But if you have previous experience with React, you will progress through the material faster. Contents Chapter 1: Introduction Chapter 2: Creating and Using Components Chapter 3: Bindings, Props, State and User Interaction Chapter 4: Working with Components Chapter 5: Conditional Rendering Chapter 6: Building React Native Forms with Hooks Chapter 7: Getting Data from RESTful APIs with Hooks Chapter 8: C.R.U.D. With Hooks Chapter 9: Navigation Between Screens Chapter 10: Connecting to an API To Persist Data *React Native Tutorial* O'Reilly Media Get up to speed with React, React Native, GraphQL and Apollo for building cross-platform native apps with the help of practical examples Key Features Covers the latest features of React such as Hooks, Suspense, NativeBase, and Apollo in this updated third edition Get to grips with the React

architecture for writing easy-to-manage web and mobile applications Understand GraphQL and Apollo for building a scalable backend for your cross-platform apps Book Description React and React Native, Facebook's innovative User Interface (UI) libraries, are designed to help you build robust cross-platform web and mobile applications. This updated third edition is improved and updated to cover the latest version of React. The book particularly focuses on the latest developments in the React ecosystem, such as modern Hook implementations, code splitting using lazy components and Suspense, user interface framework components using Material-UI, and Apollo. In terms of React Native, the book has been updated to version 0.62 and demonstrates how to apply native UI components for your existing mobile apps using NativeBase. You will begin by learning about the essential building blocks of React components. Next, you'll progress to working with higher-level functionalities in application development, before putting this knowledge to use by developing user interface components for the web and for native platforms. In the concluding chapters, you'll learn how to bring your application together with a robust data architecture. By the end of this book, you'll be able to build React applications for the web and React Native applications for multiple mobile platforms. What you will learn Delve into the React architecture, component properties, state, and context Get to grips with React Hooks for handling functions and components Implement code splitting in React using lazy components and Suspense Build robust user interfaces for mobile and desktop apps using Material-UI Write shared components for Android and iOS mobile

apps using React NativeSimplify layout design for React Native apps using NativeBaseWrite GraphQL schemas to power web and mobile appsImplement web and mobile components that are driven by ApolloWho this book is for This book is for any JavaScript developer who wants to start learning how to use Facebook's UI libraries, React and React Native, for mobile and web application development. Although no prior knowledge of React is needed, working knowledge of JavaScript programming will help you understand the concepts covered in the book more effectively.

Hands-On Design Patterns with React Native Packt Publishing Ltd
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 FeaturesMobile 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 learnExplore the design Patterns in React NativeLearn the best practices for React Native developmentExplore common React patterns that are highly used within React Native developmentLearn to decouple components and use dependency injection in your applicationsExplore the best ways of fetching data from the backend systemsLearn the styling patterns and how to implement custom mobile designsExplore the best ways to organize your application code in big codebasesWho 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.