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React Native for iOS Development is your hands-on guide to developing native iOS apps with ease. React Native challenges the status quo of native iOS development with revolutionary components, asynchronous execution, unique methods for touch handling, and much more. React Native eliminates the need for Objective-C and instead uses the power of JavaScript and React to build excellent native apps. You will begin by understanding the path breaking concepts of React.js, which makes it distinctive. You will set up React Native and begin exploring the anatomy of React Native apps. You'll also learn about flux architecture, how it differs from MVC, and how you can include it in your React Native project to solve problems differently and efficiently. Next, you will learn to create stunning user interfaces and interact with various device capabilities. You will then boost your development by including some popular packages already developed by the React Native community that will help you write less but do more. Finally, you'll learn to how write test cases and submit your application to App Store. Using real-world examples with an example-driven approach, you will learn by doing and have a substantial running app at the end of each chapter. Start using React Native for your iOS development using this book today.

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 plat-

forms 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.

This report examines the links between inequality and other major global trends (or megatrends), with a focus on technological change, climate change, urbanization and international migration. The analysis pays particular attention to poverty and labour market trends, as they mediate the distributional impacts of the major trends selected. It also provides policy recommendations to manage these megatrends in an equitable manner and considers the policy implications, so as to reduce inequalities and support their implementation.

Build cross-platform applications of varying complexity for the web, mobile, and VR devices using React tooling Key Features- Build React applications at scale using effective React patterns and best practices Explore React features such as Hooks, the Context API, and the Suspense API Extend React's integration with React Native for building cross-platform mobile apps and games- Book 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.

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 Store

Who 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 Native is the JavaScript framework for writing and deploying fully featured mobile apps that look and feel native. This guide teaches how to build applications that target iOS, Android and other mobile platforms instead of browsers.

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

Learn to build modern native iOS and Android applications using JavaScript and the incredible power of React

About This Book

Learn to design and build a fully-featured application using the newest cutting-edge framework from Facebook

Leverage your JavaScript skills to become a native app developer

Develop custom UI components, implement smooth navigation, and access native features such as geolocation and local storage

Who This Book Is For

This book is for web developers who want to learn to build fast, good-looking, native mobile applications using the skills they already have. If you already have some JavaScript knowledge or are using React on the web, then you will be able to quickly get up and running with React Native for iOS and Android.

What You Will Learn

- Set up the React Native environment on both devices and emulators
- Gain an in-depth understanding of how React Native works behind the scenes
- Write your own custom native UI components
- Learn the ins and outs of screen navigation
- Master the art of layout and styles
- Work with device-exclusive data such as geolocation
- Develop native modules in Objective-C and Java that interact with JavaScript
- Test and deploy your application for a production-ready environment

In Detail

React Native is a game-changing approach to hybrid mobile development. Web developers can leverage their existing skills to write mobile applications in JavaScript that are truly native without using cross-compilation or web views. These applications have all of the advantages of those written in Objective-C or Java, combined with the rapid development cycle that JavaScript developers are accustomed to. Web developers who want to develop native mobile applications face a high barrier to entry, because they are forced to learn platform-specific languages and frameworks. Numerous hybrid technologies have tried to simplify this process, but have failed to achieve the performance and appearance that users expect. This book will show you all the advantages of true native development that React Native has without the steep learning curve, leveraging the knowledge you already have. We do this by getting you up and running quickly with a sample application. Next, we'll intro-

duce you to the fundamentals of creating components and explain how React Native works under the hood. Once you have established a solid foundation, you will dive headfirst into developing a real-world application from start to finish. Along the way, we will demonstrate how to create multiple screens and navigate between them, use layout and style native UI components, and access native APIs such as local storage and geolocation. Finally, we tackle the advanced topic of Native modules, which demonstrates that there are truly no limits to what you can do with React Native.

Style and approach

This book provides a simple and easy way to build mobile applications in JavaScript. Each topic takes you through the life cycle of creating a fully-functional native app, with detailed explanations of the entire process.

Use React and React Native to build applications for desktop browsers, mobile browsers, and even as native mobile apps

About This Book

Build React and React Native applications using familiar component concepts

Dive deep into each platform, from routing in React to creating native mobile applications that can run offline

Use Facebook's Relay, React and GraphQL technologies, to create a unified architecture that powers both web and native applications

Who This Book Is For

This book is written for any JavaScript developer—beginner or expert—who wants to start learning how to put both of Facebook's UI libraries to work. No knowledge of React is needed, though a working knowledge of ES2015 will help you follow along better.

What You Will Learn

- Craft reusable React components
- Control navigation using the React Router to help keep your UI in sync with URLs
- Build isomorphic web applications using Node.js
- Use the Flexbox layout model to create responsive mobile designs
- Leverage the native APIs of Android and iOS to build engaging applications with React Native
- Respond to gestures in a way that's intuitive for the user
- Use Relay to build a unified data architecture for your React UIs

In Detail

React and React Native allow you to build cross-platform desktop and mobile applications using Facebook's innovative UI libraries. Combined with the Flux data architecture and Relay, you can now create powerful and feature-complete applications from just one code base! This book is split into three parts. The first part shows you how to start crafting composable UIs using React, from rendering with JSX and creating reusable components through to routing and creating isomorphic applications that run on Node. We then move on to showing you how to take the concepts of React and

apply them to building Native UIs using React Native. You'll find out how to build responsive and streamlined UIs that can properly handle user interactions in a mobile environment. You'll also learn how to access device-specific APIs such as the geolocation API, and how to handle offline development with React Native. Finally, we'll tie all of these skills together and shows you how you can create React applications that run on every major platform. As well as understanding application state in depth, you'll learn how to leverage Relay to make feature-complete, data-driven web and native mobile applications. Style and approach Split into three major sections to help organize your learning, this hands-on, code-first book will help you get up to speed with React and React Native—the UI framework that powers Netflix, Yahoo, and Facebook. 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 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 Re-

act , 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

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

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.

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.

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 React-DOM 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 is a JavaScript framework that lets you rapidly build native apps for both iOS and Android using a single language. A React native app is not a hybrid app so it's nearly indistinguishable from native apps built with Java and Objective-C. Our course is a fast-paced guide to get you started with React Native and building Native mobile apps. The course will give React developers all they need to build native iOS and Android apps. We won't be covering the basics of JavaScript programming or React. We will delve directly into React Native to build native mobile apps. You will learn to develop apps that are fun, unique, and responsive with React Native. Learn React Native fundamentals to build interactive and user-friendly apps. The course aims at teaching you React Native irrespective of the underlying platform so that you can learn once, write anywhere. This course adopts a practical approach to get you building apps as soon as possible. With this course, you will get minimal theory and maximal action, with compelling illustrative examples and clear explanations."--Resource description page.

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 Navi-

gator 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, ListViews, 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.

Master React Native with Fullstack React Native The up-to-date, in-depth, complete guide to React Native. Create beautiful mobile apps with JavaScript and React Deliver high quality mobile apps, at light speed. Building the same app in both Swift and Java is time-consuming. With React Native, you can release a native app on both iOS and Android from a single codebase. Do you or your team already know JavaScript? Leverage your existing knowledge to build world class mobile applications. The React Native ecosystem is evolving fast. Get started on the right foot. With such an active community and so many updates, it feels impossible to know what's best and what's just noise. We cover the latest React Native version and best practices so you can develop with confidence. What You'll Build When you buy Fullstack React Native, you're not buying just a book, but dozens of code examples. Every chapter in the book comes with a complete project that uses the concepts in the chapter and provides support for both iOS (including iPhone X screens) & Android. A Weather App - Get your feet wet with React Native by building a weather app allows the user to input their location and grabs weather data from a third

party API. A Time Tracker - Brush up on your core React knowledge and build a time tracking app. A Messaging App - Understand how to use the core React Native APIs like Geolocation, CameraRoll, Keyboard, NetInfo and much more through completing a messaging app An Instagram Clone - Learn how to style your app, manage user input, add comments and display photos from Unsplash A Contacts App - Learn how to use Navigation: a major piece of any mobile application with multiple screens A Puzzle Game - Learn how to achieve smooth animations that render at 60 frames-per-second (fps) FAQHow long is the book? The book has 11 chapters totaling 670 pages, several sample apps totaling over 1000+ lines of code (JavaScript/JSX, non-comment lines). Do I have to know React? Nope! We've written the book so that it can be used even if you aren't familiar with React. Although, if you'd like to learn React in depth, checkout our other book Fullstack React Do I have to know JavaScript? Yes, we assume you know the basics of the language. But you don't need to be completely up-to-date: we teach the latest language features in case you're not familiar with them. However, this book teaches React Native from the ground up and you can use it even if you've never written a mobile app before.

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. 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

Your go-to guide to creating truly native iOS and Android mobile applications using React and JavaScriptAbout 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 APIsWho This Book Is ForThis 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 StoreIn DetailThe 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 StoreStyle and approachThis 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.

Get a practical introduction to React Native, the JavaScript framework for writing and deploying fully featured mobile apps that look and feel native. With this hands-on guide, you'll learn how to build applications that target iOS, Android, and other mobile platforms instead of browsers. You'll also discover how to access plat-

form features such as the camera, user location, and local storage. With code examples and step-by-step instructions, author Bonnie Eisenman shows web developers and frontend engineers how to build and style interfaces, use mobile components, and debug and deploy apps. Along the way, you'll build several increasingly sophisticated sample apps with React Native before putting everything together at the end. Learn how React Native provides an interface to native UI components Examine how the framework uses native components analogous to HTML elements Create and style your own React Native components and applications Install modules for APIs and features not supported by the framework Get tools for debugging your code, and for handling issues outside of JavaScript Put it all together with the Zebreto effective-memorization flashcard app Deploy apps to the iOS App Store and Google's Play Store

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

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.

JavaScript is the little scripting language that could. Once used chiefly to add interactivity to web browser windows, JavaScript is now a primary building block of powerful and robust applications. In this practical book, new and experienced JavaScript developers will learn how to use this language to create APIs as well as web, mobile, and desktop applications. Author and engineering leader Adam D. Scott covers technologies such as Node.js, GraphQL, React, React Native, and Electron. Ideal for developers who want to build full stack applications and ambitious web development beginners looking to bootstrap a startup, this book shows you how to create a single CRUD-style application that will work across several platforms. Explore GraphQL's simple process for querying data Learn about shared authentication for APIs, web apps, and native applications Build performant web applications with React and Styled Components Use React Native to write cross-platform applications for iOS and Android that compile to native code Learn how to write desktop applications with Electron

Leverage the power of Galio and React Native to create beautifully designed, practical, and exciting mobile apps Key FeaturesUnderstand Galio and quickly build cross-platform mobile appsDiscover how to put Galio into practice by implementing it in real-world scenariosBuild beautiful apps using Galio by taking advantage of its carefully crafted componentsBook Description Galio is a free open source React Native framework that enables beginner-level programmers to quickly build cross-platform mobile apps by leveraging its beautifully designed ready-made components. This book helps you to learn about React Native app development while building impressive out-of-the-box apps with Galio. Lightning Fast Mobile App Development with Galio takes a hands-on approach to implementation and associated methodologies that will have you up and running and productive in no time. Complete

with step-by-step explanations of essential concepts, practical examples, and self-assessment questions, you will begin by exploring the basics of React Native and understanding how Galio works. As you make progress, you'll learn how to initialize and configure a React Native app and get to grips with the basics of React Native development. You'll also discover how packages work and how to install Galio as the main dependency, along with understanding how and why Galio helps you to develop apps with ease. Finally, you'll build three practical and exciting apps using React Native and Galio. By the end of this app development book, you'll have learned how to use Galio to quickly create layouts and set up React Native projects for your personal ideas. What you will learn

Explore Galio and learn how to build beautiful and functional apps
Familiarize yourself with the Galio ecosystem
Discover how to use npm and understand why Galio is needed
Get to grips with the basics of constructing a basic but attractive UI for an app
Find out how you can utilize Galio's ready-made components
Use Galio to drive the process of quickly building cross-platform mobile apps
Build three practical and exciting apps with React Native and Galio
Who this book is for
This book is for developers who are looking to learn new skills or build personal mobile apps. Anyone trying to change their job as well as beginners and intermediate web developers will also find this book useful. A basic understanding of CSS, HTML, and JavaScript is needed to get the most out of this book.

Develop real world Android and iOS applications with the power of React native. About This Book
Build quirky and fun projects from scratch and become efficient with React Native
Learn to build professional Android and iOS applications with your JavaScript skills
Use Isomorphic principles to build mobile apps that offer a native user experience
Who This Book Is For
This book is for developers who want to use their JavaScript knowledge for mobile development. Prior knowledge of React will be beneficial. What You Will Learn
Structure React Native projects to ease maintenance and extensibility
Optimize a project to speed up development
Make a React Native project production-ready
Use external modules to speed up the development and maintenance of your projects
Explore the different UI and code patterns to be used for iOS and Android
Get to know the best practices when building apps in React Native
In Detail
Considering the success of the React framework, Facebook recently introduced a new mobile development frame-

work called React Native. With React Native's game-changing approach to hybrid mobile development, you can build native mobile applications that are much more powerful, interactive, and faster by using JavaScript This project-based guide takes you through eight projects to help you gain a sound understanding of the framework and helps you build mobile apps with native user experience. Starting with a simple standalone groceries list app, you will progressively move on to building advanced apps by adding connectivity with external APIs, using native features, such as the camera or microphone, in the mobile device, integrating with state management libraries such as Redux or MobX, or leveraging React Native's performance by building a full-featured game. This book covers the entire feature set of React Native, starting from the simplest (layout or navigation libraries) to the most advanced (integration with native code) features. By the end of this book, you'll be able to build professional Android and iOS applications using React Native. Style and approach This project-based guide consists of 8 projects. Each project is a standalone project that covers the core techniques and concepts in each project.

Create amazing 360 and virtual reality content that runs directly in your browsers with JavaScript and React VR 2.0
About This Book
A practical guide to developing virtual reality experiences targeting web and mobile browsers
Create customized 3D graphics for your virtual reality experiences with Three.js
Explore the ReactVR library to create objects that seem real and see how they move in the Virtual world
Import free models into VR and include those in your code
Who This Book Is For
This book is for web developers who want to use their existing skill set of HTML, CSS, and JavaScript to create virtual reality experiences. What You Will Learn
Use Blender 2.79 to make virtual reality objects for Web VR.
Import free models into VR and how to include those in your code
Build a Virtual Museum with interactive art pieces
Create your first VR App and customizing it
Build animations by procedurally changing an object's position, using timers and Animated APIs
Incorporate React Native code and JavaScript code in your VR world
In Detail
This book takes you on a journey to create intuitive and interactive Virtual Reality experiences by creating your first VR application using React VR 2.0.0. It starts by getting you up to speed with Virtual Reality (VR) and React VR components. It teaches you what Virtual Reality (VR) really is, why it works, how to describe 3D objects, the installation of Node.js (version 9.2.0) and WebVR

browser. You will learn 3D polygon modeling, texturing, animating virtual objects and adding sound to your VR world. You will also discover ways to extend React VR with new features and native Three.js. You will learn how to include existing high-performance web code into your VR app. This book will also take you through upgrading and publishing your app. By the end of this book, you'll have a deep knowledge of Virtual Reality and a full-fledged working VR app to add to your profile! Style and approach A step-by-step practical guide to help readers build their first VR application.

A legend of a Polynesian boy, who, called a coward for being afraid of the sea, sets out to overcome his fears

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 in-

terfaces for mobile and desktop apps using Material-UI Write shared components for Android and iOS mobile apps using React Native Simplify layout design for React Native apps using Native-Base Write GraphQL schemas to power web and mobile apps Implement web and mobile components that are driven by Apollo Who 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.

Over 90 recipes to help you write clean code, solve common JavaScript problems, and work on popular use cases like SPAs, microservices, native mobile development with Node, React, React Native and Electron. Key Features Over 90 practical recipes to help you write clean and maintainable JavaScript codes with the latest ES8 Leverage the power of leading web frameworks like Node and React to build modern web apps Features comprehensive coverage of tools and techniques needed to create multi-platform apps with JavaScript Book Description JavaScript has evolved into a language that you can use on any platform. Modern JavaScript Web Development Cookbook is a perfect blend of solutions for traditional JavaScript development and modern areas that developers have lately been exploring with JavaScript. This comprehensive guide teaches you how to work with JavaScript on servers, browsers, mobile phones and desktops. You will start by exploring the new features of ES8. You will then move on to learning the use of ES8 on servers (with Node.js), with the objective of producing services and microservices and dealing with authentication and CORS. Once you get accustomed to ES8, you will learn to apply it to browsers using frameworks, such as React and Redux, which interact through Ajax with services. You will then understand the use of a modern framework to develop the UI. In addition to this, development for mobile devices with React Native will walk you through the benefits of creating native apps, both for Android and iOS. Finally, you'll be able to apply your new-found knowledge of server-side and client-side tools to develop applications with Electron. What you will learn Use the latest features of ES8 and learn new ways to code with JavaScript Develop server-side services and microservices with Node.js Learn to do unit testing and to debug your code Build client-side web applications us-

ing React and Redux Create native mobile applications for Android and iOS with React Native Write desktop applications with Electron Who this book is for This book is for developers who want to explore the latest JavaScript features, frameworks, and tools for building complete mobile, desktop and web apps, including server and client-side code. You are expected to have working knowledge of JavaScript to get the most out of this book.

Hit the ground running with React, the open-source technology from Facebook for building rich web applications fast. With this practical guide, Yahoo! web developer Stoyan Stefanov teaches you how to build components—React's basic building blocks—and organize them into maintainable, large-scale apps. If you're familiar with basic JavaScript syntax, you're ready to get started. Once you understand how React works, you'll build a complete custom Whinepad app that helps users rate wines and keep notes. You'll quickly learn why some developers consider React the key to the web app development puzzle. Set up React and write your first "Hello world" web app Create and use custom React components alongside generic DOM components Build a data table component that lets you edit, sort, search, and export its contents Use the JSX syntax extension as an alternative to function calls Set up a lean, low-level build process that helps you focus on React Build a complete custom app that lets you store data on the client Use ESLint, Flow, and Jest tools to check and test your code as your app evolves Manage communication between components with Flux

Harness the power of React Native to build 4 real-world apps Key Features Build quirky and fun projects from scratch and become efficient with React Native Learn to build professional Android and iOS applications using your existing JavaScript knowledge Use isomorphic principles to build mobile apps that offer a native user experience Embedded with assessments that will help you revise the concepts you have learned in this course Book Description React Native helps web and mobile developers to build cross-platform apps that perform at the same level as any other natively developed app. The range of apps that can be built using this library is huge. From e-commerce to games, React Native is a good fit for any mobile project due to its flexibility and extendable nature. This project-based book consists of four standalone projects. Each project will help you gain a sound understanding of the framework and build mobile apps with native user experience. Starting with a

simple standalone car booking app, you will progressively move on to building advanced apps by adding connectivity with external APIs, using native features, such as the camera or microphone, in the mobile device, integrating with state management libraries such as Redux or MobX, or leveraging React Native's performance by building a full-featured game. This book is ideal for developers who want to build amazing cross-platform apps with React Native. This book is embedded with useful assessments that will help you revise the concepts you have learned in this book. What you will learn Structure React Native projects to ease maintenance and extensibility Optimize a project to speed up development Use external modules to speed up the development and maintenance of your projects Explore the different UI and code patterns to be used for iOS and Android Get to know the best practices when building apps in React Native Who this book is for This book is for developers who want to build amazing cross-platform apps with React Native.

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.

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 Ja-

vaScript 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

Improve your React Native mobile development skills and transition from web to mobile development with this solution-packed guide Key Features Learn strategies and techniques to face React Native mobile development challenges head-on Explore ways to use iOS and Android for React Native development to maximize code reuse and cohesion Build engaging user experiences with React Native Book Description If you are a developer looking to create mobile applications with maximized code reusability and mini-

mized 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.