

## Angularjs And Ionic

Make use of Node.js to learn the development of a simple yet scalable cross-platform mobile application About This Book Use Node.js to satisfy the core backend requirements of modern apps, including user management, security, data access, and real-time data communication Build practical real-world mobile applications, which will give you the necessary knowledge to build your very own mobile solutions Step-by-step development of projects using Ionic Framework as the frontend and Node.js for the backend supported by a MongoDB database Who This Book Is For This book is intended for web developers of all levels of expertise who want to deep dive into cross-platform mobile application development without going through the pains of understanding the languages and native frameworks that form an integral part of developing for different mobile platforms. This book is also for you if you are a developer who wants to capitalize on the MobileFirst strategy and so are going to use JavaScript for your complete stack. What You Will Learn Develop an API from scratch Set up a MongoDB Database as part of your mobile application backend Deploy a cross-platform mobile application from the command line Incorporate features within your mobile application that use native phone features such as a gyroscope, GPS, and accelerometer Implement mobile applications that use web-enabled APIs Build a mobile application with real-time chat messaging features Develop a secure mobile application that is capable of functioning with real-time data In Detail Node.js is a massively popular JavaScript library that lets you use JavaScript to easily program scalable network applications and web services. People approaching Node.js for the first time are often attracted by its efficiency, scalability, and the fact that it's based on JavaScript, the language of the Web, which means that developers can use the same language to write backend code. Also, it's increasingly being seen as a "modern" replacement for PHP in web development, which relies on fast-paced data exchange. The growing community and the large amount of available modules makes Node.js one of the most attractive development environments. This book takes a step-wise and incremental approach toward developing cross-platform mobile technologies using existing web technologies. This will allow you to truly understand and become proficient in developing cross-platform mobile applications with Node.js, Ionic Framework, and MongoDB. The book starts off by introducing all the necessary requirements and knowledge to build a mobile application with a companion web service. It covers the ability to create an API from scratch and implement a comprehensive user database that will give you the opportunity to offer a mobile application with a personalized experience. Midway through the book, you will learn the basic processes to create a successful mobile application. You will also gain higher-level knowledge, allowing you to develop a functional and secure mobile application to ensure a seamless user experience for end users. Finally, the book ends with more advanced projects, which will

bring together all the knowledge and expertise developed in the previous chapters to create a practical and functional mobile-application that has useful real-world features. Style and approach This book is an easy-to-follow guide that takes a step-wise approach in giving expertise and knowledge to help you truly understand what is needed to create a memorable user experience for end users. Each topic is placed in the context of the bigger picture, that is, to create cross-platform mobile applications using existing technologies.

Leverage your existing web development skills to learn the whole cycle of hybrid mobile app development. This edition is fully updated with the changes in Ionic 4, including Stencil, a new framework based on the web components standard. It explains Ionic and Firebase in detail, including how to create hybrid mobile apps using using React and Vue, and run those apps in an internal browser using a wrapper created by Apache Cordova. Build Mobile Apps with Ionic 4 and Firebase shows you how to focus on developing front-end code, without needing to manage any back-end code or servers. You'll learn in the context of building a Hacker News client app, which can view top stories in Hacker News, view comments of a story, and add stories to favorites. Explore how Ionic 4 uses Angular as the JavaScript framework to easily develop apps using an interface similar to native apps, and how to access Firebase, a real-time database, in web apps using JavaScript. What You'll Learn Create content-based Ionic mobile apps Work with new Ionic 4 compnents like gesture, text, and keyboard controller Manage your apps with RxJS & Redux Who This Book Is For Front-end developers and mobile app developers

If you are a web developer, this handy guide will empower you to quickly learn the fundamentals of AngularJS development and deployment.

Build your first app in Flutter—no experience necessary! Beginning Flutter: A Hands-On Guide to App Development is the essential resource for both experienced and novice developers interested in getting started with Flutter—the powerful new mobile software development kit. With Flutter, you can quickly and easily develop beautiful, powerful apps for both Android and iOS, without the need to learn multiple programming languages or juggle more than one code base. This book walks you through the process step by step. In Flutter, you'll be working with Dart, the programming language of choice for top app developers. Even if you're just starting out in your development career, you can learn Dart quickly, eliminating the barrier to entry for building apps. This is a more efficient way to develop and maintain cross-platform mobile apps, and this book makes the process even easier with a teach-by-example approach. Focus on providing quality content by eliminating the need to switch between multiple coding languages Learn the ins and outs of Flutter, including all the frameworks, widgets, and tools available to developers Accelerate your app development pace, keeping all the code for your cross-platform app in a single code base Leapfrog barriers to entry to the mobile software market, creating your first app with no experience necessary The Flutter community is growing rapidly and

transforming the way Android and iOS apps get made. Beginning Flutter allows you to get on board with the latest app development technology, giving your mobile development career a big head start.

Learn Angular JS And Ionic is a piece of a rapidly developing group of AngularJS fueled libraries that make building mobile apps with Angular inconceivably quick and simple So Buy Book Now And Build Mobile Apps

Build amazing cross-platform mobile apps with Ionic, the HTML5 framework that makes modern mobile application development simple About This Book Learn how to use one of the most exciting mobile development frameworks around to build even better apps Follow the featured sample projects to experience Ionic's impressive capabilities Extend your developer skillset to build, test, and launch mobile apps with confidence Who This Book Is For This book is for anyone who wants to see Ionic in action - and find out how it could transform the way they build mobile apps. If you're a JavaScript web developer, you'll be building great projects in no time. What You Will Learn Learn Ionic by creating three complete mobile applications Get to know the Ionic CLI Add basic and advanced features to the Ionic framework Connect an Ionic app with a Firebase back end Integrate PhoneGap plugins with NG-Cordova Test your apps to improve and optimize performance In Detail Change doesn't have to be challenging. Sometimes it can be simple – sometimes it just makes sense. With Ionic, mobile development has never been so simple, so elegant and obvious. By helping developers to harness AngularJS and HTML5 for mobile development, it's the perfect framework for anyone obsessed with performance, and anyone that understands just how important a great user experience really is. This book shows you how to get started with Ionic framework immediately. But it doesn't just give you instructions and then expect you to follow them. Instead it demonstrates what Ionic is capable of through three practical projects you can follow and build yourself. From a basic to-do list app, a London tourist app, to a complete social media app, all three projects have been designed to help you learn Ionic at its very best. From setting up your project to developing on both the server side and front end, and best practices for testing and debugging your projects, you'll quickly become a better mobile developer, delivering high performance mobile apps that look awesome. Ionic Framework by Example is for people who don't want to learn now, build later – it's for people who want to learn and build at the same time – so they can meet today's mobile development challenges head on and deliver better products than anyone else. Style and approach This book isn't just an instruction manual. It doesn't just tell you what to do – it shows you. Featuring three sample projects, it's been created so you can get started with Ionic immediately.

Summary Ionic in Action teaches web developers how to build cross-platform mobile apps for phones and tablets on iOS and Android. You'll learn how to extend your web development skills to build apps that are indistinguishable from native iOS or Android projects. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book

Wouldn't it be great if you could build mobile apps using just your web development skills? With Ionic, you can do just that: create hybrid mobile apps using web technologies that you already know, like HTML, CSS, and JavaScript, that will run on both iOS and Android. Ionic in Action teaches web developers how to build mobile apps using Ionic and AngularJS. Through carefully explained examples, the book shows you how to create apps that use UI components designed for mobile, leverage current location, integrate with native device features like the camera, use touch gestures, and integrate with external data sources. Learn to test your apps to improve stability and catch errors as you develop. Finally, you'll discover the command-line utility, and how to build and deploy to app stores. What's Inside Create mobile apps with HTML, JavaScript, and CSS Design complex interfaces with Ionic's UI controls Build once and deploy for both iOS and Android Use native device hardware and device-specific features Covers the entire mobile development process About the Reader Readers should know HTML, CSS, and JavaScript. Familiarity with AngularJS is helpful but not required. About the Author Jeremy Wilken is a senior UX software developer who works with Ionic, AngularJS, and Node.js. He lives in Austin, Texas. Table of Contents Introducing Ionic and hybrid apps Setting up your computer to build apps What you need to know about AngularJS Ionic navigation and core components Tabs, advanced lists, and form components Weather app, using side menus, modals, action sheets, and ionScroll Advanced techniques for professional apps Using Cordova plugins Previewing, debugging, and automated testing Building and publishing apps

Learn to build native-style applications that leverage your existing knowledge of HTML5, JavaScript, and CSS by using AngularJS and the Ionic framework. An end-to-end journey, empowering you to build real-time, scalable, and interactive mobile applications with the Ionic framework About This Book Develop engaging mobile experiences with a native-looking UI in Ionic and AngularJS. Use out-of-the-box Ionic functionalities, customize existing components, and add new components with this comprehensive course. Learn Ionic by creating three complete mobile applications Who This Book Is For If you are a web developer who wants to build hybrid mobile app development using the Ionic framework, then this comprehensive course is best-suited for you. What You Will Learn Get to know about Hybrid Apps and AngularJS Set up a development environment to build Hybrid Apps Navigate around components and routing in Ionic Authenticate users using an e-mail password, Twitter, Facebook, Google+, and LinkedIn Retrieve data and store it using Firebase Access native device functionalities such as the camera, contact list, e-mail, and maps using NG-Cordova Integrate PhoneGap plugins with NG-Cordova Test your apps to improve and optimize performance In Detail Hybrid Apps are a promising choice in mobile app development to achieve cost-effectiveness and rapid development. Ionic has evolved as the most popular choice for Hybrid Mobile App development as it tends to match the native experience and provides robust components/tools to build apps. The Ionic Complete Developers course takes you on an end-to-end journey, empowering you to build real-time, scalable, and interactive mobile applications with the Ionic framework. Starting



with an introduction to the Ionic framework to get you up and running, you will gradually move on to setting up the environment, and work through the multiple options and features available in Ionic to build amazing hybrid mobile apps. You will learn how to use Cordova plugins to include native functionality in your hybrid apps. You will work through three complete projects and build a basic to-do list app, a London tourist app, and a complete social media app. All three projects have been designed to help you learn Ionic at its very best. From setting up your project to developing on both the server side and front end, and best practices for testing and debugging your projects, you'll quickly be able to deliver high-performance mobile apps that look awesome. You will then hone your skills with recipes for cross-platform development. Integrating Ionic with Cordova will bring you native device features, and you will learn about the best modules from its ecosystem. Creating components and customizing the theme will allow you to extend Ionic. You'll see how to build your app to deploy to all platforms to make you a confident start-to-finish mobile developer. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Getting Started with Ionic – by Rahat Khanna Ionic by Example – by Sani Yusuf Ionic Cookbook – by Hoc Phan Style and approach This course shows you how to get up and running with the Ionic framework. It doesn't just give you instructions, expecting you to follow them. Instead, with a hands-on approach, it demonstrates what Ionic is capable of through a series of practical projects that you can build yourself.

If you are a developer who is new to AngularJS or is experienced with the AngularJS framework, this book is intended for you. If you want to provide a better user experience on your web app, this book is also for you.

Build real-time, scalable, and interactive mobile apps with the Ionic framework  
About This Book- Create amazing, cross-platform hybrid native apps using a projects-based approach- Discover ways to make the best use of the latest features in Ionic to build on a wide array of applications- This is the right learning curve for you if you want to take the leap from an intermediate-level to a pro front-end developer with Ionic  
Who This Book Is For  
This book is for intermediate-level Ionic developers who have some experience in working with Ionic, but don't yet have a complete idea how powerful Ionic can be to create real-time apps with dynamic functionality.  
What You Will Learn- Get to grips with the features of Ionic for application development- Build a Chat app with Firebase and Ionic- Make a stock tracking app using the third-party REST API and build its layouts with Ionic Navigation and Pages- Use Cordova plugins with Ionic to build a media player app- Create a production-ready application by using Ionic components, services, and Firebase as a back end- Get to know the best practices to create real-time Ionic applications  
In Detail  
Ionic 2, the latest version of Ionic Mobile SDK, is built on the top of latest technologies such as Angular 2, TypeScript, SASS, and lot more. The idea behind Ionic 2 is to make the entire app development process even more fun. This book makes it possible to build fun and engaging apps using Ionic 2. You will learn how to use various Ionic components, integrate external services, derive capabilities, and most importantly how to make professional apps with Ionic 2. It will help you in understanding the fundamentals of Ionic 2 app development and will show how to build applications, gradually increasing your capabilities and the complexity of applications so that you can learn Ionic app development in a consistent and convenient way. You will

also explore services such as Firebase, using LocalStorage, the WordPress JSON API, and REST API, which will help you turn your next billion dollar idea into reality. By the end of this book, you will be able to proudly call yourself a pro Ionic developer who can create a host of different apps with Ionic, and you'll have a deeper practical understanding of Ionic. **Style and approach** A practical project-based approach helps you create five-six different apps on your own using the various features of Ionic in each project.

A complete guide to build robust and scalable web applications with Spring and Angular. **About This Book** This hands on guide will teach you how to build an end-to-end modern web application using Spring and Angular. It is easy to read and will benefit Java developers who have been used to develop the back-end part of web application while front-end (UI) has been left for UI developers. Learn the core aspects involved in developing the backend and the UI, right from designing to integrating and deploying. **Who This Book Is For** This book is targeted towards Java Web Developers with a basic knowledge of Spring who want to build complete web applications in a fast and effective way. They will want to gain a stronghold on both frontend and backend development to advance in their careers. **What You Will Learn** Set up development environment for Spring Web App and Angular app. Process web request and response and build REST API endpoints. Create data access components using Spring Web MVC framework and Hibernate Use Junit 5 to test your application Learn the fundamental concepts around building Angular Configure and use Routes and Components. Protect Angular app content from common web vulnerabilities and attacks. Integrate Angular apps with Spring Boot Web API endpoints Deploy the web application based on CI and CD using Jenkins and Docker containers **In Detail** Spring is the most popular application development framework being adopted by millions of developers around the world to create high performing, easily testable, reusable code. Its lightweight nature and extensibility helps you write robust and highly-scalable server-side web applications. Coupled with the power and efficiency of Angular, creating web applications has never been easier. If you want build end-to-end modern web application using Spring and Angular, then this book is for you. The book directly heads to show you how to create the backend with Spring, showing you how to configure the Spring MVC and handle Web requests. It will take you through the key aspects such as building REST API endpoints, using Hibernate, working with Junit 5 etc. Once you have secured and tested the backend, we will go ahead and start working on the front end with Angular. You will learn about fundamentals of Angular and Typescript and create an SPA using components, routing etc. Finally, you will see how to integrate both the applications with REST protocol and deploy the application using tools such as Jenkins and Docker. **Style and approach** This is a straightforward guide that shows how to build a complete web application in Angular and Spring.

How I became the go-to Angular Advocate at work - and how you can, too! In late spring 2018, my manager approached me with some interesting news. He explained that our executive director had complained that although Angular was prevalent throughout his organization, his own developers were not very experienced with it. What could be done about that? They discussed various options, from video course subscriptions, to books, to hiring an outside training firm to provide the necessary training. At that point, my manager spoke up. "What if we ask Mike Callaghan to do it?" He then proceeded to

recommend me in an executive meeting to train a group of our software developers how to use Angular. Before I knew it, I was the Angular Advocate. My Angular Journey I've been using Angular since AngularJS 1.2 or so. My first ever Angular app was a mobile swimming coach, implemented with the Ionic Framework and AngularJS. Today I build web applications with Angular almost exclusively, though I admit to having dabbled briefly with React, even so far as to writing [a book on using React with Ionic](<https://gum.co/ionic-react>). When I start a new application, either personally or professionally, I tend to start with Angular. What's in this book? This book consists of a series of essays I have written for various technical audiences over the past year or so. They are either directly or indirectly related to Angular development. However, this is not a book for web development beginners. There are plenty of those. Instead, this book is designed to appeal to experienced web developers with some exposure or experience with Angular. The content you will find is, admittedly, opinionated, as is the entire Angular ecosystem. I describe solutions that worked for me and my team. There are probably other approaches and solutions that would also work, but I will not dwell on them. The content of this book represents my experience, and I hope you will be able to learn something from it.

**Topics Covered** Here are some of the topics that are covered in the book. Notice it is not all simply Angular. There are other useful subjects that the Angular Advocate needs to understand. How to introduce coworkers to TypeScript. How to provide coworkers a Gentle introduction to Angular. How to create a simple "no-code" Angular component. How to display "offline" status in an Angular app. How to support [(ngModel)] in a custom Angular component. When to use route resolvers, and when not to use them. How to keep up with Angular releases. Fortunately, @Angular makes it easy to do. Understanding service APIs from both the producer and consumer point of view. Keeping your deployment options open. How to spin up a test API quickly and easily with Firebase. The benefits of Progressive Web Apps (PWAs) and when to use them. How to embrace RxJS and become truly effective. How to use Test-driven-development (TDD) effectively with Angular. Knowing what code to test (and what code not to test). Knowing what all those weird symbols on the command line are all about. How to revert your (or your team's) mistaken git commits. How to provide source code without the overhead of the git repository. Understanding how people learn, before you need to teach. Knowing the basics of how to teach is critical on the path. How to get people to pay more attention when you speak. Why you should pay attention to spelling and grammar. Understanding the basics of agile planning. Where to get Creative-Commons licensed images for almost any purpose.

"In this Hybrid Mobile App Development with Ionic training course, expert author Chris Griffith will teach you how to use the Ionic framework to create hybrid mobile applications. This course is designed for the absolute beginner, meaning no experience with mobile app development is required. You will start by learning how to build apps with the Ionic framework. From there, Chris will teach you how to build a to do application, a weather app, and a national park guide app. This video tutorial will then teach you how to debug and test Ionic applications, including working with emulators, testing on iOS and Android devices, and using Ionic view. Finally, you will finish up your Ionic application by preparing it for submission, code signing for iOS and Android, and generating app icons and splash screens. Once you have completed this computer

based training course, you will have learned how to build hybrid mobile applications with the Ionic framework. Working files are included, allowing you to follow along with the author throughout the lessons."--Resource description page.

Over 35 exciting recipes to spice up your application development with Ionic About This Book Learn how to utilize the robust features of Ionic CLI and its framework to create, develop, and build your mobile app Explore new integrations with various Backend-as-a-Services, along with AngularJS modules, for creative solutions Use out-of-the-box Ionic functionalities, customize existing components, and add new components with this comprehensive, step-by-step guide Who This Book Is For If you are a front-end developer and want to take advantage of your existing mobile application development skills to develop cross-platform mobile apps, this book is for you. You will build up your Ionic knowledge with in-depth recipes on Angular.js, Cordova, and Sass. What You Will Learn Authenticate users using an e-mail password, Twitter, Facebook, Google+, and LinkedIn Retrieve data and store it using Firebase Access native device functionalities such as a camera, contact list, e-mail, and maps using ngCordova Work with localStorage and SQLite for persistent data access on the client side Communicate to and from your app using push notifications or SMS Leverage AngularJS events and Ionic-specific events to communicate across pages, controllers, and directives Customize the color and theme of your Ionic app Create new custom directives as components Compile your app for iOS, Android, and Windows Phone In Detail The world of mobile development is extremely fragmented with many platforms, frameworks, and technologies available. Ionic is intended to fill that gap, by enabling developers to build apps that have a native feel to them, using web technologies such as HTML, CSS, and AngularJS. Ionic makes it easy for front-end developers to become app developers. The framework provides superior performance with deep Cordova integration and a comprehensive set of tools for prototyping, backend support, and deployment. Ionic Cookbook takes you through the process of developing a cross-platform mobile app using just HTML5 and the JavaScript-based Ionic. You will start with an introduction to the CLI and then move on to building and running an app. You will explore common features of real-world mobile apps such as authenticating a user, and getting and saving data using either Firebase or Local Storage. Next, the book covers how Ionic integrates with Cordova to support native device features using ngCordova, and you will discover how to take advantage of existing modules around its ecosystem. You will also delve into advanced topics, including how to extend Ionic to create new components. Finally, the book will walk you through customizing the Ionic theme and building the app so that it can be deployed to all platforms. Style and approach This book follows a recipe-based approach to cross-platform mobile app development, where each task is explained in a conversational and easy-to-follow style. Every topic explains individual features or components of Ionic, and provides extra details for readers to come up with custom solutions based on real-world applications. Build a complete, professional-quality, hybrid mobile application with Ionic About This Book Develop high-grade and performance-optimized hybrid applications using the latest version of Ionic Discover the latest and upcoming features of Ionic A practical guide that will help you fully utilize all the features and components of Ionic efficiently Who This Book Is For The target audience for this book is intermediate-level application developers who have some basic knowledge of Ionic. What You Will Learn Use every



Ionic component and its customization according to the application along with some important third party components Recently released Lazy Loading and Grid System supporting desktop application with Electron Integration of the various Ionic backend services and features such as Ionic Push, DB, Auth, Deploy in your application Exploration of white-listing, CORS, and various other platform security aspects to secure your application Synchronization of your data with the cloud server and fetching it in real time using Ionic Cloud and Firebase services Integration of the Cordova iBeacon plugin which will fetch contextual data on the basis of location and Websockets for real time communication for IOT based applications Implementation of offline functionality in your PWA application using service-worker, cache storage and indexedDB In Detail Ionic is an open source, front-end framework that allows you to develop hybrid mobile apps without any native-language hassle for each platform. It offers a library of mobile-optimized HTML, CSS, and JS components for building highly interactive mobile apps. This book will help you to develop a complete, professional and quality mobile application with Ionic Framework. You will start the journey by learning to configure, customize, and migrate Ionic 1x to 3x. Then, you will move on to Ionic 3 components and see how you can customize them according to your applications. You will also implement various native plugins and integrate them with Ionic and Ionic Cloud services to use them optimally in your application. By this time, you will be able to create a full-fledged e-commerce application. Next, you will master authorization, authentication, and security techniques in Ionic 3 to ensure that your application and data are secure. Further, you will integrate the backend services such as Firebase and the Cordova iBeacon plugin in your application. Lastly, you will be looking into Progressive Web Applications and its support with Ionic, with a demonstration of an offline-first application. By the end of the book, you will not only have built a professional, hybrid mobile application, but will also have ensured that your app is secure and performance driven. Style and approach A step-by-step guide (covering all its features and components) to build a complete mobile application using Ionic. Each chapter will cover different features of Ionic.

Learn how to build app store-ready hybrid apps with the Ionic 2, the framework built on top of Apache Cordova (formerly PhoneGap) and Angular. This revised guide shows you how to use Ionic's tools and services to develop apps with HTML, CSS, and TypeScript, rather than rely on platform-specific solutions found in Android, iOS, and Windows Phone. Author Chris Griffith takes you step-by-step through Ionic's powerful collection of UI components, and then helps you use it to build three cross-platform mobile apps. Whether you're new to this framework or have been working with Ionic 1, this book is ideal for beginning, intermediate, and advanced web developers. Understand what a hybrid mobile app is, and what comprises a basic Ionic application Learn how Ionic leverages Apache Cordova, Angular, and TypeScript to create native mobile applications Create a Firebase-enabled to-do application that stores data across multiple clients Build a tab-based National Park explorer app with Google Map integration Develop a weather app with the Darksky weather API and Google's GeoCode API Debug and test your app to resolve issues that arise during development Walk through steps for deploying your app to native app stores Learn how Ionic

can be used to create Progressive Web Apps

Explore key scenarios required for building quality Ionic apps quickly and easily and bring them to the iOS and Android mobile ecosystem. Learn Ionic 2 explains various techniques to quickly integrate third-party back end systems. With this short guide, you'll benefit from practical examples of implementing authentication and authorization, connecting to social media, integrating with payment gateway, and analytics integration. This book presents solutions to the challenges faced during the development process of these tasks. Validation is essential to the survival and eventual success of any startup. You validate your business idea by placing a product in the hands of your customers and getting them to interact with it. The Ionic framework makes this possible. What You'll Learn: Master end-to-end hybrid application development Create user management modules including signup, login, and forgotten passwords Use analytics to evaluate an application using Ionic Framework Who This Book Is For: Tech entrepreneurs and businessmen with ideas

A comprehensive guide to AngularJS, Google's open-source client-side framework for app development. Most of the existing guides to AngularJS struggle to provide simple and understandable explanations for more advanced concepts. As a result, some developers who understand all the basic concepts of AngularJS struggle when it comes to building more complex real-world applications. Professional AngularJS provides a thorough understanding of AngularJS, covering everything from basic concepts, such as directives and data binding, to more advanced concepts like transclusion, build systems, and automated integration testing. In addition to explaining the features of AngularJS, this book distills real-world experience on how these features fit together to enable teams to work together more effectively in building extraordinary apps. Offers a more thorough and comprehensive approach to AngularJS Includes pointers to other advanced topics Lets you build a simple application from scratch, explaining basic building blocks along the way for quick hands-on learning AngularJS & Ionic Framework Hybride App-Entwicklung mit JavaScript und HTML5 Ionic in Action Hybrid Mobile Apps with Ionic and AngularJS Manning Publications

Learn how to build app store-ready hybrid apps with Ionic, the framework built on top of Apache Cordova (formerly PhoneGap) and Angular. This revised guide shows you how to use Ionic's tools and services to develop apps with HTML, CSS, and TypeScript, rather than rely on platform-specific solutions found in Android, iOS, and Windows Universal. Author Chris Griffith takes you step-by-step through Ionic's powerful collection of UI components, and then helps you use it to build three cross-platform mobile apps. Whether you're new to this framework or have been working with Ionic 1, this book is ideal for beginning, intermediate, and advanced web developers. Understand what a hybrid mobile app is, and what comprises a basic Ionic application Learn how Ionic leverages Apache Cordova, Angular, and TypeScript to create native mobile applications

Create a Firebase-enabled to-do application that stores data across multiple clients Build a tab-based National Park explorer app with Google Map integration Develop a weather app with the Darksky weather API and Google's GeoCode API Debug and test your app to resolve issues that arise during development Walk through steps for deploying your app to native app stores Learn how Ionic can be used to create Progressive Web Apps

Learn how to build app store-ready hybrid apps with the Ionic 2, the framework built on top of Apache Cordova (formerly PhoneGap) and Angular. This practical guide shows you how to use Ionic's tools and services to develop apps with HTML, CSS, and TypeScript, rather than rely on platform-specific solutions found in Android, iOS, and Windows Phone. Author Chris Griffith takes you step-by-step through Ionic's powerful collection of UI components, and then helps you use it to build three cross-platform mobile apps. Whether you're new to this framework or have been working with Ionic 1, this book is ideal for beginning, intermediate, and advanced web developers. Understand what a hybrid mobile app is, and what comprises a basic Ionic application Learn how Ionic leverages Apache Cordova, Angular, and TypeScript to create native mobile applications Create a Firebase-enabled to-do application that stores data across multiple clients Build a tab-based National Park explorer app with Google Map integration Develop a weather app with the Darksky weather API and Google's GeoCode API Debug and test your app to resolve issues that arise during development Walk through steps for deploying your app to native app stores Learn how Ionic can be used to create Progressive Web Apps

Solve all your Ionic-related issues through dedicated recipes that will help you get the best out of Ionic. Working with Ionic components to find out the best way to share data between them effectively. Key Features -Leverage Ionic 3.9 and its exciting new features to create cutting-edge, real-time apps -Work through simple recipes to address your problems directly and solve them effectively -Get examples at each step to guide you on your learning curve with Angular Book Description Ionic is the preferred choice for JavaScript developers to develop real-time hybrid applications. This book will get you started with Ionic 3.9 and help you create Angular 5 components that interact with templates. You will work with Ionic components and find out how to share data efficiently between them. You'll discover how to make the best use of the REST API to handle back-end services and then move on to animating your application to make it look pretty. You then learn to add in a local push notification in order to test the app. Then you'll work with Cordova to support native functionalities on both iOS and Android. From there, you'll get to grips with using the default themes for each platform and customizing your own. We then take you through the advanced Ionic features like lazy loading, deep linking, localizing ionic apps etc. Finally, you'll see how best to deploy your app to different platforms. This book will solve all your Ionic-related issues through dedicated recipes that will help you get the best out of Ionic. What you will learn -Help readers to jump-start Ionic apps -Explore essential features of

Ionic with examples -Learn how to use native device functionalities -Make the best use of the REST API to handle back-end services -Work with Cordova to support native functionalities on both iOS and Android. -Master advanced topics in app development such as deep linking and lazy loading Who this book is for This book targets JavaScript developers. No previous knowledge of Ionic is necessary, but prior knowledge of web development techniques would be useful. Over 30 life-changing recipes to help you create cutting edge, hybrid apps with Ionic 2 About This Book Leverage Ionic 2 and its exciting new features to create cutting edge real-time apps Work through simple recipes to address your problems directly and solve them effectively Get examples at each step to guide you on your learning curve Who This Book Is For This book is for front end JavaScript developers who know the basics of JavaScript programming. No prior knowledge of Ionic is required to get the most of this book. What You Will Learn Create custom UIs using Angular 2 directives Make the best use of REST APIs to submit forms Create beautiful animations and graphics in the application Embed videos and other media into the app Access native device functionalities such as a camera and maps using ngCordova Theme the application based on the various platform styles available Publish your application to a variety of platforms Leverage Angular 2 events and Ionic-specific events to communicate In Detail Developing real-time apps is the need of the hour, and apps that deal with humongous amounts of user data and real-time information that needs to be updated frequently are in high demand. Currently, one of the most popular frameworks for this task is Ionic Framework, which is undergoing a major makeover. This book will get you started with Ionic and help you create Angular 2 components that interact with templates. From there, you'll work with Ionic components and find out how to share data efficiently between them. You'll discover how to make the best use of the REST API to handle back-end services and then move on to animating the application to make it look pretty. You'll learn to add in a local push notification in order to test the app. You'll work with Cordova to support native functionalities on both iOS and Android. From there, you'll get to grips with using the default themes for each platform as well as customizing your own. Finally, you'll see how best to deploy your app to different platforms. This book will solve all your Ionic-related issues through dedicated recipes that will help you get the best out of Ionic. Style and approach This book is a recipe-based solution to all your Ionic 2 related problems and will help you create cutting edge real-time apps with ease through simple-to-understand step-by-step recipes.

Get up and running with developing effective Hybrid Mobile Apps with Ionic About This Book Develop engaging mobile experiences with a native-looking UI in Ionic and AngularJS Build mobile applications with a native UI and interactions with device APIs using popular web technologies such as HTML, CSS, and JavaScript Create an e-commerce mobile app using tutorials and code samples Who This Book Is For This book is ideal for any web developer who wants to enter into the world of mobile app



development but has no clue where to start. Ionic is an ideal starting point and provides a smooth learning curve to help you build hybrid apps using web technologies and to develop native apps for iOS and Android, you do not need to know multiple languages. This book will also be useful for Hybrid App developers who have not found the perfect framework to ensure users get a rich experience from your apps. What You Will Learn Get to know about Hybrid Apps and AngularJS Set up a development environment to build Hybrid Apps Navigate around the components and routing in Ionic Use different Ionic directives for a mobile-specific experience Integrate an Ionic App with backend web services Work with plugins to include native functionality in your hybrid apps Test your apps on real devices Build an e-commerce app for iOS and Android from scratch In Detail Hybrid Apps are a promising choice in mobile app development to achieve cost effectiveness and rapid development. However, they were not preferred over native apps until few years back due to a poor performance and bad user experience, but everything has changed with the release of Ionic. It has evolved as the most popular choice for Hybrid Mobile App development as it tends to match the native experience and provides robust components/tools to build apps. Getting Started with Ionic equips any web developer with the basic knowledge needed to use modern web technologies to build amazing hybrid mobile apps using Ionic. This fast-paced, practical book explains all the important concepts of AngularJS and Cordova Framework required to develop apps, then gives you a brief introduction to hybrid mobile applications. It will guide you through setting up the environment to develop mobile apps, and through the multiple options and features available in Ionic so you can use them in your mobile apps. Features such as the Side Menu, Tabs, Touch Interactions, and native features such as Bar Code, Camera, and Geolocations are all covered.. Finally, we'll show you how to use Cordova plugins and publish your apps. Style and approach Getting started with Ionic is a compact, easy-to-follow guide to developing hybrid mobile apps using Ionic with real world examples of building an e-commerce app.

If you are a web or a full-stack JavaScript developer who is interested in learning how to build modern web applications using the MEAN stack, this book is for you.

Write free, open-source, cross-platform, dynamic JavaScript applications that can run anywhere using the MEAN stack - MongoDB, ExpressJS, AngularJS, and Node.js. With this book Mac developers will get the tools needed to set up, write code once, and be able to deploy code on any device. You will be able to cut development time by using one stack to serve all your development needs. Pro MEAN Stack Development enables you to quickly learn everything needed to work effectively with MEAN, from setting up your toolstack to rolling out your free servers, and deploying on any device. You will also learn to build scripts with Grunt and Gulp, Webpack, and Vagrant and how to deploy to the web and mobile using Phonegap. Harness JavaScript to create dynamic and easily-maintainable applications fast and 100% free. Master the MEAN stack with this book today. What You Will Learn Utilize JavaScript for the entire development cycle from front end to back end, database and deployment. Learn to write responsive code that can be deployed on any device. Become a well-rounded developer and be able to understand the entire development cycle. Learn to utilize free open source and cloud services to deploy production-grade code. Who This Book Is For Front or back end Mac developers familiar with JavaScript and interested in utilizing the MEAN stack to deploy

successful apps on all devices.

Ionic helps you develop rich and robust applications based with a powerful yet flexible framework at its core: AngularJS. With an emphasis on native performance, Ionic plays nice with Apache Cordova to build native-like hybrid mobile applications for both Android and iOS platforms. It even provides its own wrapping command-line interface (CLI) in order to build, test and deploy Cordova-based mobile applications. With tons of popular mobile components, typography, and a gorgeous and extensible base theme, Ionic has been designed to work and display beautifully and consistently on all current mobile devices. This book walks you through the process of starting, developing, customizing and deploying a mobile application built with the Ionic framework and AngularJS. The authors dive head first into the development of Trendicity, this book's mobile application developed to demonstrate as much of Ionic's features as possible. This book was written for anyone interested in developing cross platform mobile applications. Before reading this book, readers should have at least a basic knowledge of web (application) development in general, including HTML and CSS and Javascript. For a better understanding of our example code and Ionic's features, it would be best if readers also have experience with JavaScript and in particular the AngularJS framework.

Creating hybrid mobile applications is a great way to leverage your knowledge of web languages like HTML5, CSS, and JavaScript. Modern frameworks such as AngularJS and Ionic make it easier with pre-built templates and components. In this course, staff author Ray Villalobos shows how to install the Ionic framework and set up a development environment suitable for building web-based apps. He reviews the core Ionic components: prebuilt, easy-to-use features such as buttons, lists, tabs, and forms. Then Ray shows how to combine these components with Angular.js models, views, and controllers to build a single page app with sliders, pull-to-refresh functionality, and search. The training culminates in building a multi-page app, which you'll learn how to customize with CSS.

With this book, you will learn hybrid mobile application development using Ionic. This book uses Cordova 5.0.0, Ionic CLI 1.5.0, and Ionic 1.0.0 to explain the concepts and build apps. To begin with, the book helps you understand where Ionic fits in today's world. Then, you will dive deep into Ionic CSS components and Ionic-AngularJS directives and services. You will also examine theming Ionic apps using the built-in SCSS setup. Next, you will learn to build an Ionic client for a secure REST API, where you will implement user authentication and token-based development. Cordova and ngCordova will be explored, and you will learn how you can integrate device-specific features such as a camera and Geolocation with an Ionic app. We will wrap up the book by building a messaging app, which deals with talking to Firebase (a real-time data store), as well as device features. By the end of this book, you will be able to develop a hybrid mobile application from start to finish, and generate device-specific installers. Learn to build hybrid mobile apps using Ionic and Firebase. You'll build a Hacker News client app, which can view top stories in Hacker News, view comments of a story, add stories to favorites, etc. This introductory guide covers the whole cycle of hybrid mobile apps development. It's organized around implementing different user stories. For each story, this book not only talks about how to implement it but also explains related Ionic and Firebase concepts in detail. Using Apache Cordova, developers can create a new

type of mobile app—a hybrid mobile app. Hybrid mobile apps actually run in an internal browser inside a wrapper created by Apache Cordova. With hybrid mobile apps, developers can have one single code base for different platforms. Developers also can use their existing web development skills. The Ionic framework builds on top of Apache Cordova and provides out-of-box components which make developing hybrid mobile apps much easier. Ionic uses Angular as the JavaScript framework and has a nice default UI style with a similar look and feel to native apps. Firebase is a realtime database which can be accessed in web apps using JavaScript. With Build Mobile Apps with Ionic 2 and Firebase you'll discover that just need to develop front-end code, there's no need to manage any back-end code or servers. What You'll Learn Create content-based Ionic mobile apps Discover the advanced features of the Ionic framework Use Firebase as a mobile app's back-end storage Build, test, and continuously delivery Ionic mobile apps Publish and analyze Ionic mobile apps Who This Book Is For Front-end developers and mobile app developers

"Learn about the fundamentals that make the amazing applications we use on a daily basis on devices from mobile phones to tablets. A step by step process is used to show everything from setting up to all the crucial Ionic AngularJS tools. Ionic is a very popular responsive mobile framework, many applications use Ionic and AngularJS. You will be provided with the full source code to aid in development during and after this course. The source code is free to use in as many projects as you wish."--Resource description page.

Enhance your JavaScript skills by venturing into the domain of developing mobile applications About This Book Extend your JavaScript skillset to build, test, and launch mobile apps with confidence Follow three sample projects to experience Ionic's impressive capabilities Extend the power of Apache Cordova by creating your own Apache Cordova cross-platform mobile plugins Who This Book Is For This Learning Path is for JavaScript web developers looking to develop mobile applications using various JavaScript descendent technologies. It is for anyone who wants to learn how to build fast and stylish native mobile app using the skills they already have. If you are already using React on the web, we're confident you'll be able to quickly get up and running with React Native for iOS and Android. See Ionic in action, and find out how it can transform the way you build mobile apps. What You Will Learn Develop, build, run, and deploy great cross-platform mobile applications using Apache Cordova Create complete mobile apps using Apache Cordova that runs on Apple iOS, Google Android, and Windows Phone Create a neat user interface for your mobile application using jQuery Mobile Gain an in-depth understanding of how React Native works behind the scenes Write your own custom native UI components Develop native modules in Objective-C and Java that interact with JavaScript Get to know Ionic by creating three complete mobile applications In Detail A great mobile app is rapidly becoming crucial for a huge range of businesses. With a great app, your customers or your readers don't come to you – you go with them, just a few clicks and swipes away. This Learning Path shows you how to build awesome mobile apps with some of the best tools currently being used by some of the smartest

developers in the industry. Taking you through JavaScript impressive development ecosystem – from jQuery Mobile to React, through to Ionic – we'll show you how to put your skills into practice so you can build your next mobile apps with confidence and style. In this Learning Path, from jQuery to React, to Ionic, we'll cover everything you need to start. In the first module you'll learn how to get stuck into Apache Cordova and find out how to use it as the key platform for developing your mobile app. It offers an efficient way to develop hybrid apps, which means you won't have to connect to platform specific APIs or use their UI framework, and can instead harness your JavaScript web development skills. Make sure you have your HTML, CSS and jQuery skills at the ready. In Module 2 we'll show you how to take advantage of React Native. It has a reputation for having a steep learning curve, but we'll make it easy for you, making sure you make full use of your existing knowledge and getting you up and running with a sample application. You'll also learn how to create components, how to create multiple screens, as well as using native UI components and accessing native APIs. In the third and final module you'll get started with Ionic. With three practical projects you can build yourself, we've made sure that you'll be learning by doing – which means you'll not only develop new skills much more quickly, but you'll have produced something tangible at the end of it! This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: JavaScript Mobile Application Development by Hazem Saleh Getting Started with React Native by Ethan Holmes and Tom Bray Ionic Framework By Example by Sani Yusuf Style and approach This Learning Path course provides a simple and easy way to build mobile applications in JavaScript descendent technologies such as jQuery, ReactJS, and Ionic.

Ionic - Développez des applications mobiles multiplateformes avec Cordova et AngularJS

Summary Angular in Action teaches you everything you need to build production-ready Angular applications. Thoroughly practical and packed with tricks and tips, this hands-on tutorial is perfect for web devs ready to build web applications that can handle whatever you throw at them. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Angular makes it easy to deliver amazing web apps. This powerful JavaScript platform provides the tooling to manage your project, libraries to help handle most common tasks, and a rich ecosystem full of third-party capabilities to add as needed. Built with developer productivity in mind, Angular boosts your efficiency with a modern component architecture, well-constructed APIs, and a rich community. About the Book Angular in Action teaches you everything you need to build production-ready Angular applications. You'll start coding immediately, as you move from the basics to advanced techniques like testing, dependency injection, and performance tuning. Along the way, you'll take advantage of TypeScript and ES2015 features to write clear, well-



architected code. Thoroughly practical and packed with tricks and tips, this hands-on tutorial is perfect for web devs ready to build web applications that can handle whatever you throw at them. What's Inside Spinning up your first Angular application A complete tour of Angular's features Comprehensive example projects Testing and debugging Managing large applications About the Reader Written for web developers comfortable with JavaScript, HTML, and CSS. About the Author Jeremy Wilken is a Google Developer Expert in Angular, Web Technologies, and Google Assistant. He has many years of experience building web applications and libraries for eBay, Teradata, and VMware. Table of Contents Angular: a modern web platform Building your first Angular app App essentials Component basics Advanced components Services Routing Building custom directives and pipes Forms Testing your application Angular in production Build real-world hybrid mobile applications using the robust PhoneGap development platform About This Book Get to grips with the usage of PhoneGap and its command-line interface Learn to use numerous plugins to access several hardware capabilities Step-by-step instructions on creating captivating mobile applications using popular frameworks Who This Book Is For If you are a developer who wants to get started with mobile application development using PhoneGap, then this book is for you. Previous experience with data mining libraries will help, but is not mandatory. A basic understanding of web technologies such as HTML, CSS, and JavaScript is a must. What You Will Learn Set up a development environment to develop PhoneGap applications Generate, build, and run applications using the PhoneGap command-line interface Install plugins from the command line to add native capabilities to your application Call the JavaScript API of plugins and hook into native events Manipulate DOM using zepto and xuijs Develop a user interface using jQuery Mobile and the Ionic framework Get accustomed to using the PhoneGap Build service In Detail Developing mobile applications often feels intimidating. Especially when building cross-platform application. We have to learn a specific programming language to build an application for each platform. PhoneGap makes cross-platform mobile application development faster and easier by using web technologies such as HTML5, CSS, and JavaScript. This book gives you practical lessons on how to build a world class mobile application using PhoneGap. Whether you are a brand new to mobile application development, a web developer expert, or a seasoned mobile application developer, this book will guide you through creating hybrid mobile applications. Starting with setting up a development environment, the book moves on to utilizing a new PhoneGap command-line tool, installing plugins, and designing your application. It then moves on to concepts such as file system, storage, and local database, the book effectively lays a solid base for advanced topics. By working through the steps in each chapter, you will quickly master the features of PhoneGap. By the end of the book, you will be able to successfully build a highly functional, real-world hybrid mobile application using PhoneGap. Style and approach And easy-to-

follow guide full of practical examples of real-world mobile application. Each topic is explained step by step with detailed explanations on each concept.

The things you need to do to set up a new software project can be daunting.

First, you have to select the back-end framework to create your API, choose your database, set up security, and choose your build tool. Then you have to choose the tools to create your front end: select a UI framework, configure a build tool, set up Sass processing, configure your browser to auto-refresh when you make changes, and configure the client and server so they work in unison. If you're building a new application using Spring Boot and Angular, you can save days by using JHipster. JHipster generates a complete and modern web app, unifying: - A high-performance and robust Java stack on the server side with Spring Boot - A sleek, modern, mobile-first front-end with Angular and Bootstrap - A robust microservice architecture with the JHipster Registry, Netflix OSS, the ELK stack, and Docker - A powerful workflow to build your application with Yeoman, Webpack, and Maven/Gradle

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