

# Building Progressive Web Apps Bringing The Power Of Native To The Browser

Use Service Workers to Turbocharge Your Web Apps “You have made an excellent decision in picking up this book. If I was just starting on my learning path to mastery of Progressive Web Apps, there are not many folks I would trust more to get me there than John.” —Simon MacDonald, Developer Advocate, Adobe Software developers have two options for the apps they build: native apps targeting a specific device or web apps that run on any device. Building native apps is challenging, especially when your app targets multiple system types—i.e., desktop computers, smartphones, televisions—because user experience varies dramatically across devices. Service Workers—a relatively new technology—make it easier for web apps to bridge the gap between native and web capabilities. In *Learning Progressive Web Apps*, author John M. Wargo demonstrates how to use Service Workers to enhance the capabilities of a web app to create Progressive Web Apps (PWA). He focuses on the technologies that enable PWAs and how to use those technologies to enhance your web apps to deliver a more native-like experience. Build web apps a user can easily install on their local system and that work offline or on low-

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quality networks Utilize caching strategies that give you control over which app resources are cached and when Deliver background processing in a web application Implement push notifications that enable an app to easily engage with users or trigger action from a remote server Throughout the book, Wargo introduces each core concept and illustrates the implementation of each capability through several complete, operational examples. You'll start with simple web apps, then incrementally expand and extend them with state-of-the-art features. All example source code is available on GitHub, and additional resources are available on the author's companion site, [learningpwa.com](http://learningpwa.com). Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

As a young urban youth worker, Ted Travis was captivated by a question posed by Christian community development pioneer Dr. John Perkins: "How do we build incentive in inner-city youth, motivating them toward Christ and a life of meaning and purpose?" Over the next 30 years, Ted wrestled with this question as he and his wife Shelly ministered to hundreds of teens in Denver's Five Points neighborhood- an inner-city community facing the daunting challenges of poverty, gangs, crime, and unemployment. Along the way, Ted pressed biblical principles and tried-in the-trenches strategies

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into a philosophy of youth leadership development he calls "transformational discipleship." In *Building Cathedrals*, Ted shares his blueprint for transformational discipleship (as well as accounts of its profound impact on young people) and exhorts today's youth workers to reimagine their ministries and raise up a new generation of visionary urban leaders. This book has been revised and expanded, including the addition of a index.

*Lean User Testing A Pragmatic Step-by-Step Guide to User Tests* If you believe in agile software development and delivering value to your customers and your company, reading this book is the right decision as it will greatly support your process to identify and create valuable, feasible and usable products. "We Know What We Need to Build" Who hasn't yet heard that dreaded, gut feeling-based notion in the past? To my experience, it is rarely valid, but more often an expression of an outdated thinking, that values output over outcome, that believes in requirement documents and micromanaging the product team. This book, however, is dedicated to completely different approach, that Steve Blank once wrapped up in his famous quote: *There are No Facts Inside Your Building - Get Outside.*" And you should do so as early as possible in the process -it is the most important task of any product team. This book is therefore a deliberately short, focused, pragmatic

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manual for everyone, who designs, develops or markets software: Product manager, engineers and designers (UX/UI). It is based on hundreds of user interviews that I have run up to now and provides all you need to know to start your own user interview initiative in about two hours of your time. Save up to 90% of Typical User Interview Costs And there is more good news: The lean user testing approach will save up to 90% of the costs compared to outsourcing user interviews to a professional usability agency, but will return at least 80% of possible insights. Avoid Building Expensive Features Nobody Wants No more flying blind in the early stages: Test your hypotheses quickly and turn product discovery into your advantage over the competition. Learn how to avoid wasting money on software nobody wants and how to deliver value instead. Obsolete features aren't just expensive to build. They also need to be maintained and probably be removed at a later stage again, not to mention their opportunity costs: Imagine what you could have built instead. Gain More Runway for Your Startup Optimizing the cycle-time of your product hypotheses will focus available engineering and product management resources on valuable, usable and feasible features, thus extending your runway and improving your standing for the next funding round. Improve Communication with Stakeholders User tests greatly simplify the communication with

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stakeholders - the interviews, you will be running, are your product organization's first line of defense when it comes to turning down unreasonable feature requests.

**About the Author** The author has worked for many years as a product manager and agile coach (Scrum, Lean Startup, Lean Change). During that time, he developed B2C as well as B2B software, mainly for startups, including a former Google subsidiary. He originally studied chemistry, business administration, and law. However, he has never worked in a laboratory. Instead, back in 1996, he released the first online shop software with SAP R/3 connectivity, only to learn that the early bird does not necessarily catch the worm. After his move to Berlin, Germany, he founded a marketplace for local service. In 2011, Entrepreneurs Club Berlin e.V. followed, as did Startup Camp Berlin- one of the largest German startup conferences today. His latest project, Age Of Product - Invent For Your Customers, focuses on the exchange of knowledge between product people, designers, and developers. It is about lessons learned and best practices on how to identify which product to build and how to build it in an efficient way. Age Of Product will host events and workshops in Berlin from autumn 2015 on and might also organize a new conference in the near future."

Summary Reactive Web Applications teaches web developers how to benefit from the reactive

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application architecture and presents hands-on examples using the Play framework. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Reactive applications build on top of components that communicate asynchronously as they react to user and system events. As a result, they become scalable, responsive, and fault-tolerant. Java and Scala developers can use the Play Framework and the Akka concurrency toolkit to easily implement reactive applications without building everything from scratch. About the Book Reactive Web Applications teaches web developers how to benefit from the reactive application architecture and presents hands-on examples using Play, Akka, Scala, and Reactive Streams. This book starts by laying out the fundamentals required for writing functional and asynchronous applications and quickly introduces Play as a framework to handle the plumbing of your application. The book alternates between chapters that introduce reactive ideas (asynchronous programming with futures and actors, managing distributed state with CQRS) and practical examples that show you how to build these ideas into your applications. What's Inside Reactive application architecture Basics of Play and Akka Examples in Scala Functional and asynchronous programming About Reader Description For readers comfortable programming with a higher-level

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language such as Java or C#, and who can read Scala code. No experience with Play or Akka needed. About the Author Manuel Bernhardt is a passionate engineer, author, and speaker. As a consultant, he guides companies through the technological and organizational transformation to distributed computing.

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This book is designed to accompany the Introduction to Salesforce Analytics - Building Reports and Dashboards class offered by Stony Point. A person reading this book or a student in this class will build reports and dashboards utilizing basic and advanced concepts . Although the book is designed as a supplement to the class, it contains valuable exercises that will be useful for someone wishing to learn on their own. This online, five hour class is delivered by a live instructor and is specifically designed to teach administrators, business analysts or report writers how to utilize the basic and advanced analytic capabilities of Salesforce. A student in this class or reading this workbook will

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learn the basic Salesforce object model, and how to create and secure reports and dashboards. The instructor will lead students through exercises to create tabular, summary, matrix and join reports. Students will learn advanced reporting functionality such as charting, report summary fields, bucket fields, conditional highlighting, advanced report filters and building custom report types. Finally, the student will learn how to create and run dashboards and schedule and email reports and dashboards. Each student will be given a practice learning environment to participate in hands-on exercises during the class. The student will be able to use that learning environment indefinitely after the class without any additional fee. Stony Point is a leading provider of Salesforce training for sales people, customer service personnel, marketers, system administrators, developers and consultants. Stony Point delivers public and private classes virtually and in-person at locations throughout the world. Please visit [www.stonyp.com](http://www.stonyp.com) for more information on the classes and services offered.

A children's book series of short stories that feature animals, birds, and insects to communicate messages of direction, hope, health & wellness, safety and character building This children's book series was inspired by a recently published book: The Talking Birds, by the same author and photographer of this book. This children's book #1 is

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part of a series of twelve children's books that have been produced to communicate messages of direction, hope, safety and character building. These books feature a variety of candid photographs of wildlife animals, birds, and insects in different natural settings. These photos were photo-captured by International Nature Photographer, Mr. Youli Xia, a native of Beijing, China. Each photograph highlights a distinctive expression. Using the imagination, the expressions conveyed in the photos will set the stage for long talks with the animals, birds, and insects. This book series interactively shares twelve short, simple, easy-to-read, and easy-to-understand stories. These stories are designed to capture the interest and attention of young children from the ages of 4-9. They will be fascinated by the vibrant colors and the dramatic candid facial or body expressions of the subjects in the photographs. The intended educational value for this book series and the other future books is to offer effective tools for character building. These stories are sure to include the mention and discussion of core values like respect, responsibility, self-esteem, compassion, making good choices, health and wellness, love, manners, friendships/relationships patience, accountability, leadership, trustworthiness, thoughtfulness and safety, to name a few. This book series will serve as a responder to help fill a void that currently exists and is widening in our present

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society, particularly amongst our children. With the spread of negative energy through all forms of media, compounded with the lack of positive role models-from the top down, many of our children are denied exposure to strong core values that could help establish and build healthy foundations for one's character. The hope is that these animal, bird, and insect subject short stories will effectively communicate messages that will help to turn matters around. The vision is that our young children will grow to become productive, respectful, responsible, patient, accountable, thoughtful and safe. Each story will feature at least one key word to be noted and remembered. Also, each story will highlight a moral or life lesson. Finally, each story encourages a discussion with follow-up questions.

In his first work of narrative nonfiction, Matthew Pearl, bestselling author of acclaimed novel *The Dante Club*, explores the little-known true story of the kidnapping of legendary pioneer Daniel Boone's daughter and the dramatic aftermath that rippled across the nation. On a quiet midsummer day in 1776, weeks after the signing of the Declaration of Independence, thirteen-year-old Jemima Boone and her friends Betsy and Fanny Callaway disappear near the Kentucky settlement of Boonesboro, the echoes of their faraway screams lingering on the air. A Cherokee-Shawnee raiding party has taken the girls as the latest salvo in the blood feud between

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American Indians and the colonial settlers who have decimated native lands and resources. Hanging Maw, the raiders' leader, recognizes one of the captives as Jemima Boone, daughter of Kentucky's most influential pioneers, and realizes she could be a valuable pawn in the battle to drive the colonists out of the contested Kentucky territory for good. With Daniel Boone and his posse in pursuit, Hanging Maw devises a plan that could ultimately bring greater peace both to the tribes and the colonists. But after the girls find clever ways to create a trail of clues, the raiding party is ambushed by Boone and the rescuers in a battle with reverberations that nobody could predict. As Matthew Pearl reveals, the exciting story of Jemima Boone's kidnapping vividly illuminates the early days of America's westward expansion, and the violent and tragic clashes across cultural lines that ensue. In this enthralling narrative in the tradition of Candice Millard and David Grann, Matthew Pearl unearths a forgotten and dramatic series of events from early in the Revolutionary War that opens a window into America's transition from colony to nation, with the heavy moral costs incurred amid shocking new alliances and betrayals. In-depth examination of concepts and principles of Web application development Completely revised and updated, this popular book returns with coverage on a range of new technologies. Authored by a highly respected duo, this edition provides an in-

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depth examination of the core concepts and general principles of Web application development. Packed with examples featuring specific technologies, this book is divided into three sections: HTTP protocol as a foundation for Web applications, markup languages (HTML, XML, and CSS), and survey of emerging technologies. After a detailed introduction to the history of Web applications, coverage segues to core Internet protocols, Web browsers, Web application development, trends and directions, and more. Includes new coverage on technologies such as application primers, Ruby on Rails, SOAP, XPath, P3P, and more Explores the fundamentals of HTTP and its evolution Looks at HTML and its roots as well as XML languages and applications Reviews the basic operation of Web Servers, their functionality, configuration, and security Discusses how to process flow in Web browsers and looks at active browser pages Addresses the trends and various directions that the future of Web application frameworks may be headed This book is essential reading for anyone who needs to design or debug complex systems, and it makes it easier to learn the new application programming interfaces that arise in a rapidly changing Internet environment.

How much do we know ourselves is critically very important and perhaps very essential. Life we do face many curves up and down while in course of life. Marriage, becoming parent, life traumas and

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recoveries, retiring from jobs, empty nest, loss of relations, death of beloved. So yes various experiences... We get tired sometimes and immediately ask a question "why me?," but do remember the universe is not short of any wakeup calls we are just very quick in reactions. The four elements of life Air, Water, Earth, Fire are the only truth which than render the whole meaning of being as a human. Are we authentic? Are we living in courage? Are we kind and in patience? Are we grateful? How we face life and respond to life is all that matters. Elements of Life explores the options and choices which will help you to live more in tune with what you want from life. Motivational chapters simple questions based on elements of life - air, fire, water and earth providing simple strategies of life help you to live in harmony with yourself, others and the world, enhancing you to be true to your values and to interact with others while being In more patience. To do otherwise is to foster discontentment and unhappiness, but everyone wants to be in peace and lead a happy life in the end of the day. Living in moderation balancing all the elements of being authentic, being in peace, being grateful, being a little more compassionate can improve the very purpose of being in this awesome life.

Harness the power of Angular to build fast, high performance progressive web apps that work offline. Learn exactly how to create an Angular Progressive

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Web App (PWA) from scratch, how you can use different tools to audit and improve it, and leverage Angular CLI or Workbox to turn your app into a PWA. Using browser APIs – including the Credential Management, Payment Request, Geolocation, Web Bluetooth, WebUSB and Generic Sensors APIs – you can unleash the potential of PWAs and build applications that enhance user experience. Angular's game-changing built-in features, including the Angular service worker module, can be leveraged to construct responsive and reliable PWAs that can look and feel just like native mobile apps. You'll learn how to boost your app speed, how to increase user engagement using push notifications, and how to implement offline storage and different caching APIs in Angular. You'll even see how to convert an existing Angular app into a PWA. Whether you're new to building PWAs, or want to learn how to use Angular to improve your app development, Progressive Web Apps with Angular provides the know-how to build and deploy an Angular PWA. What Readers Will Learn Build an Angular app that looks and feels just like a native mobile app Audit and improve an Angular PWA with different tools Increase user engagement by using push notifications Offline storage and different caching APIs in Angular Implement modern technologies into an Angular PWA Who This Book Is For Developers with basic knowledge of HTML,

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## JavaScript and Angular

Grasp the fundamentals of web application development by building a simple database-backed app from scratch, using HTML, JavaScript, and other open source tools. Through hands-on tutorials, this practical guide shows inexperienced web app developers how to create a user interface, write a server, build client-server communication, and use a cloud-based service to deploy the application. Each chapter includes practice problems, full examples, and mental models of the development workflow. Ideal for a college-level course, this book helps you get started with web app development by providing you with a solid grounding in the process. Set up a basic workflow with a text editor, version control system, and web browser Structure a user interface with HTML, and include styles with CSS Use JQuery and JavaScript to add interactivity to your application Link the client to the server with AJAX, JavaScript objects, and JSON Learn the basics of server-side programming with Node.js Store data outside your application with Redis and MongoDB Share your application by uploading it to the cloud with CloudFoundry Get basic tips for writing maintainable code on both client and server

Enjoy 20 limited-detail illustrations, designed for those who would rather keep it simple. Each page was hand-drawn and edited by K J Kraemer, with you in mind. If you don't want to spend days on a

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project or just want room to get creative, this adult coloring book is for you!

Optimize the performance of your mobile websites and webapps to the extreme. With this hands-on book, veteran mobile and web developer

Maximiliano Firtman demonstrates which aspects of your site or app slow down the user's experience, and what you can do to achieve lightning-fast performance. There's much at stake: if you want to

boost your app's conversion rate, then tackling performance issues is the best way to start. Learn tools and techniques for working with responsive

web design, images, the network layer, and many other ingredients—plus the metrics to check your progress. Ideal for web developers and web

designers with HTML, CSS, JavaScript, and HTTP experience, this is your guide to superior mobile web performance. You'll dive into: Emulators, simulators,

and other tools for measuring performance Basic web performance concepts, including metrics,

charts, and goals How to get real data from mobile

browsers on your real networks APIs and specs for

measuring, tracking and improving web performance

Insights and tricks for optimizing the first view

experience Ways to optimize post-loading

experiences and future visits Responsive web

design and its performance challenges Tips for

extreme performance to achieve best conversion

rates How to work with web views inside native apps

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It's 1995 and James Eastman never met his real grandfather Ben because he died in 1944 in the South Pacific. Then after James discovers a functioning time machine in the basement of an old abandoned home, he time travels back to 1944. James was disguised as a USMC Marine Corsair pilot and was able to finagle orders to the same island where Ben was stationed. But after James saves Ben's life, he learns the horrible truth on how he was shot down in the first place.

The Caricature of Love was originally published in 1957 by Hervey Cleckley, the author of the classic text on psychopathy, The Mask of Sanity. With his extensive clinical knowledge and experience, in this volume Cleckley plumbs the depths of sexual dysfunction and perversion, exposing their influence on culture and society. While Cleckley's views on homosexuality may be typical of his time, his analysis has broad applications, bringing insight to the dysfunction in homosexual and heterosexual relationships, the probable causes, and the sexual perversion of many of the "leaders" of our literary heritage. From Plato to Marquis de Sade, and Andre Gide to Evelyn Waugh, Cleckley describes the twisted views of sexuality popularized via art and literature, making it highly relevant in today's hypersexualized culture. In concert with his more famous work on psychopathy, The Caricature of Love sheds important light on the problems of psychopathology.

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As is becoming increasingly clear in our time, positions of leadership are being saturated with such individuals, manifesting in everything from government incompetence, economic failure, endless wars and civil oppression, to human trafficking and pedophilia rings. Cleckley exposes the nature of what lies beneath those manifestations. Discover how to become an entrepreneur by starting your own small business Do you hate your job? Are you looking for a way to build the lifestyle you want? Do you want to work from home but have no business ideas? Would you like to explore new business opportunities? Becoming an entrepreneur and starting your own business is actually not as difficult as what most people would have you believe. You don't need a MBA or business degree, nor do you need years of experience. Entrepreneurs start small businesses, often highly successful, with a few simple business ideas and not much else. Take Action! and Start your own Business explores why entrepreneurs go out on their own and how they go about it. \*\*\*\* The myths surrounding starting your own business are stripped away. This book will show you: How to start your own business. Where to look for new business ideas. How entrepreneurs take business ideas and turn them into profit. How running a small business can free you from the rat race. How to build your life around your unique purpose in life. Taking Consistent Action is Key to

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Changing your LifeDo you want your own profitable small business that will bring fame and success? Do you desire financial independence and personal freedom? Would you love to improve your relationships and make them more fulfilling by being able to spend more quality time with your loved ones?\*\*\*\* Becoming an entrepreneur and starting your own business becomes easy once you know how. You can achieve all of the above, but you must be willing to take action. If you apply the principles taught, you can become an entrepreneur and start a small business faster than what you ever imagined possible. Will this be one of those books that will change your life and start you on your entrepreneurial journey? There's only one way to find out ...Starting a business has never been made this easy!

A childless mother faces the hollowing pain of recurrent pregnancy loss and overwhelming disappointment. When her faith plummeted along with the statistics of ever having a child, she refused to accept defeat. Deep within her soul was an undying dream of nurturing children that compelled her to make it a reality. Journey with Tanika, as she goes from the warm memories of her grandmother's house to the bitter cold of the mortuary in her quest to have a family. You will be captivated by the depth of love that arises from the ashes of pain. You will experience her tears of despair. You will jubilantly

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celebrate the promise of new beginnings and accompany Tanika in mourning painful endings. Most importantly, you will be encouraged to live after the pain of loss and to love without restraint. *Building A Family Breaks My Heart* will touch your heart, whether you have or have not experienced the unspeakable pain of miscarriage, pregnancy loss, or stillbirth.

Our choices seal our fate. *Hannah Reed* is about to learn just how important one little decision can be. Hannah's plans for a nice, quiet senior year of high school are rapidly disintegrating. It all starts when she innocently bursts in on Ethan Flynn in the change room of the clothing store where she works. Ethan's presence in Hannah's world is subtle but constant, and when he saves her life, they become linked by the workings of an ancient society and Ethan's sworn duty to protect Hannah. Working together to figure out what destiny wants with Hannah, the two of them stumble on a baffling mystery that leaves even Ethan questioning what is in store for her future. With Ethan's help, Hannah learns there is far more to this life, to her life, than she ever realized. As they attempt to untangle Hannah's unique past and emerging abilities, an unknown danger from Ethan's past looms ever closer. While racing to put together the pieces of the puzzle before it's too late, Hannah wrestles with the idea that she is anything but average, and that

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perhaps she is also more to Ethan than just a job. Hleo is the first book in the series with the same name. A story of destiny and how one decision can change everything. When you buy a copy of Hleo, your one decision also has the ability to change the lives of others across the globe. \$3.00CAD from every copy of Hleo purchased goes towards the amazing efforts of the Because I am a Girl Education initiative. Fighting to bring literacy and safe learning resources to girls living in some of the poorest nations in this world.

If you re working on the Web in 2016, you ve probably heard something about Progressive Web Apps. But what exactly are they and what kind of benefit will they bring you? With this book, you ll gain a practical understanding along with the skills needed to use Service Workers and other technology central to building Progressive Web Apps. PWAs are pushing the mobile web forward, aim to bring parity to web and native apps, and help mobile developers reach users beyond the confines of native app stores. With this book, learn how to build websites that take advantage of features that have so far been the exclusive domain of native apps. Reach out to your users with push notifications and homescreen icons, speed up your site significantly and provide a fully functional app even when your users are offline or suffering from bad connectivity."

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Building Progressive Web Apps: Bringing the Power of Native to the Browser O'Reilly Media

Do you feel like you struggle to make time for everything? We are living in a time-poor society, working more than ever and with less time for ourselves and family. The pressures and stress of the obligations we feel we have, often leave us without time to do everything that we would like to. More critically, we lack the time to reflect, review our lives and consider our direction. Time to contemplate if the decisions we are making are going to lead us to a life of purpose or an old age filled with regret.

Time for Anything is based on 5 years of research by Craig D Robinson. Using the techniques in this book, Craig went from working in an entry level position to, in just four years: start 2 companies, recharge with 12 weeks holiday a year, start a family, grow and sell his startups and retire at the age of 34. This book shows you how you too can have time for it all.

Obtain all the necessary tools for developing a progressive web application (PWA) with Vue.js, a modern JavaScript framework. You'll see how PWAs behave like a regular responsive website and have a similar structure to that of a web application, but feel like a native mobile app. Along the way you'll take advantage of Vue.js features to build fast, high-performing progressive web apps that work offline. Building Progressive Web Applications with Vue.js starts by explaining the basic concepts and

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structure of PWAs, and moves on to designing the app shell and other features that distinguish a PWA from simple web pages. In the following chapters, the book talks about the improved web technologies, such as service workers, caching strategies, background sync, and push notifications, that make PWAs powerful. What You Will Learn Harness the power of Vue.js to build PWAs Understand the function and relevance of a manifest file Discover service workers and why they are revolutionary Work with the Cache API and caching strategies Use IndexedDB, background sync, and push notifications Enhance your apps with Firebase Implement the Workbox library in your apps Who This Book Is For Web developers who want to venture into building PWAs would find the book useful.

Groomed for a place at a Big Name School since their obsessed, status-conscious helicopter parents passed out cigars at the Stockstill General Hospital Neonatal Unit, the privileged students of Pembrocton College Preparatory are ratcheting up the stakes in the race to get into the nation's most prestigious colleges. The PCP juniors are gloating, jubilant at the rumor that the valedictorian presumptive has received a B on her report card, a grade that will relegate her to in-state hell. Her heir apparent, a three-generation Yale legacy, is the sole mourner at the demise of her future—if only because her thoughtless academic lapse is going to derail his

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plans to attend MIT. Across town, in the graffiti-covered halls of Stockstill High School, the students slink to class, praying that they arrive without a knife wound—and dream of ivy-covered walls. And with the help of a take-no-prisoners principal and an enterprising parent, the students at SHS dare to encroach shamelessly on territory normally reserved for their wealthy private school rivals. Join the fray as a memorable cast of characters engages in the latest rage in extracurricular activities: college admissions as a blood sport. Laugh out loud funny, *The Applicants* lampoons the heights we scale—and the depths to which we sink—to get into the “right” college.

Summary Progressive Web Apps teaches you PWA design and the skills you need to build fast, reliable websites by taking you step-by-step through real world examples in this practical tutorial. Foreword by Addy Osmani, Google. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Offline websites that work. Near-instant load times. Smooth transitions between high/low/no bandwidth. Fantasy, right? Not with progressive web applications. PWAs use modern browser features like push notifications, smart caching, and Service Workers to manage data, minimize server usage, and allow for unstable connections, giving you better control and happier customers. Better still, all you

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need to build PWAs are JavaScript, HTML, and the easy-to-master techniques you'll find in this book. About the Book Progressive Web Apps teaches you PWA design and the skills you need to build fast, reliable websites. There are lots of ways you can use PWA techniques, and this practical tutorial presents interesting, standalone examples so you can jump to the parts that interest you most. You'll discover how Web Service Workers vastly improve site loading, how to effectively use push notifications, and how to create sites with a no-compromise offline mode. What's Inside Improved caching with Service Workers Using manifest files and HTML markup Push notifications Offline-first web designs Techniques for data synchronization About the Reader Written for readers with experience developing websites using HTML, CSS, and JavaScript. About the Author Dean Alan Hume is a coder, author, and Google Developer Expert. He's passionate about web performance and user experience. Table of Contents PART 1 - DEFINING PROGRESSIVE WEB APPS Understanding Progressive Web Apps First steps to building a Progressive Web App PART 2 - FASTER WEB APPS Caching Intercepting network requests PART 3 - ENGAGING WEB APPS Look and feel Push notifications PART 4 - RESILIENT WEB APPLICATIONS Offline browsing Building more resilient applications Keeping your data

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synchronized PART 5 - THE FUTURE OF

PROGRESSIVE WEB APPS Streaming data

Progressive Web App troubleshooting The future is looking good

Android Crash Course: Step By Step Guide to Mastering Android App Programming! Want to learn Android Programming? Need to learn it? Want to develop an app quick and easy? How about starting an app from scratch? Learn the step by step of building an app through programming? PG Wizards gives you a walk through from building android apps to running them to finally testing them! And don't worry PG Wizards walks you through publishing the App as well! You will get all your basic information as well for all new programmers! Such as Operating systems & SDK and beyond! Whether your just starting out or looking to reinforce your current skills? Perfect either way everything & anything you could think about will be in this book! The most economical buys that will get you all you need to know to learn Android programming quickly and efficiently! Purchase now and don't wait as Android Crash Course

Ralph Johns, is a demented, insubordinate and totally unprofessional mystery shopper. Working mainly (or when he can be bothered to) for Chameleon Chopper. He gets paid to eat, drink, travel, ask endless drivelling questions and eventually to shop. This generally involving harassment of many shopkeepers. Knowing no bounds, Ralph tends to galivant around the North West of England, frequenting various alehouses, burger joints and hospitals along the way. This is a shopping list and travel journal like no other. Ralph Johns, has one of

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those jobs that many people wonder if they exist, and probably think it's an urban myth. But he does in fact, yes, he gets paid to shop, to browse, and to ponder those stupid questions most normal folk wouldn't dare to ask. I know what you're thinking, it isn't as glamorous as it sounds? Well, top marks there reader, alas for Ralph, it isn't. He'd like to shop, not that at heart he's a true shopper however, and what to some may seem like a dream come true is not to a professional mystery shopper. Working a regular 9-5 or better still, staying in bed, is the dream for Ralph. A drunken food obsessed loon, and bored of constantly querying everything, Ralph must eek through life and wonder what it is all about. You don't know he's there, what's his agenda, and why is he trying on that dress at least a few sizes too small... for him? The journey doesn't end here, continue within at your peril and enter the mad, mad world of, Ralph the mystery shopper!

"A farmer and entrepreneur, Chase is a man of many abilities. Now he is being asked to use those abilities, and his own particular skills with a sword and bow, to assist an alien planet. This means trading a valuable resource that the planet harbours to convince the Inter-galactic Federation to repair its failing sun" -- Back cover. 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

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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

Engineer naturally lean web pages and leverage the latest web platform features to dramatically boost page speed About This Book The first book for web developers that shows how to put AMP to work Improve your website's mobile experience and get more traffic Practical methods to achieve a step change in performance quickly and easily Who This Book Is For This book is for experienced web developers who are aware of the impact of slow-loading web pages on conversion rates and user engagement, and who are seeking to serve content to their end users in a rich and enticing way using the Accelerated Mobile Pages framework. You should be familiar with HTML5, CSS3, JavaScript, and JSON. What You Will Learn Build,

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validate, and deploy AMP pages Create interactive user notifications, navigation menus, accordions, contact pages with forms and maps Monetize your traffic with a variety of ad styles and providers Analyze your traffic by integrating analytics providers and tracking user-behavior along several dimensions Embed social media with amp-youtube, amp-instagram, amp-twitter, and amp-facebook Build e-commerce functionality including product pages and shopping carts Deliver rich media experiences using AMP custom elements Use advanced deployment techniques to extend functionality Install ServiceWorkers and build Progressive Web Apps for offline use In Detail Google introduced the Accelerated Mobile Pages (AMP) project to give mobile users lightning-fast response times when accessing web pages on mobile devices. AMP delivers great user experiences by providing a framework for optimizing web pages that otherwise would take much longer to load on a mobile platform. This book shows how to solve page performance issues using the mobile web technologies available today. You will learn how to build instant-loading web pages, and have them featured more prominently on Google searches. If you want your website to succeed on mobile, if you care about SEO, and if you want to stay competitive, then this book is for you! You will go on a mobile web development journey that demonstrates with concrete examples how to build lightning-fast pages that will keep your visitors on-site and happy. This journey begins by showing how to build a simple blog article-style web page using AMP. As new concepts are introduced this page is gradually refined

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until you will have the skills and confidence to build a variety of rich and interactive mobile web pages. These will include e-commerce product pages, interactive forms and menus, maps and commenting systems, and even Progressive Web Apps. Style and approach Get step-by-step instructions to build web pages of different types, gain expert tricks to brand your pages without bloating them, and see methods to embed advertising.

Aquaponics is a method of growing fish and vegetables in a simple recirculating system. This book is designed and written to provide basic information and direction for people interested in building a backyard aquaponics system. It is NOT a "how-to" manual listing parts and with step-by-step procedures, but it's more like a conversation that you might have with a good friend about how he built his system. It is written to be easily understandable and includes lots of pictures and graphics. NOTE: This 5.5"x8.5" version contains the same information as the first edition however the physical size has been substantially reduced.

Move over native apps. New progressive web apps have capabilities that will soon make you obsolete. With this hands-on guide, web developers and business execs will learn how—and why—to develop web apps that take advantage of features that have so far been exclusive to native apps. Features that include fast load times, push notifications, offline access, homescreen shortcuts, and an entirely app-like experience. By leveraging the latest browser APIs, progressive web apps combine all of the benefits of native apps, while avoiding their issues.

Throughout the book, author Tal Ater shows you how to

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improve a simple website for the fictional Gotham Imperial Hotel into a modern progressive web app. Plus: Understand how service workers work, and use them to create sites that launch in an instant, regardless of the user's internet connection Create full-screen web apps that launch from the phone's homescreen just like native apps Re-engage users with push notifications, even days after they have left your site Embrace offline-first and build web apps that gracefully handle loss of connectivity Explore new UX opportunities and challenges presented by progressive web apps

Enhance the performance of your applications by using React and adding the Progressive web app capability to it About This Book Bring the best of mobile sites and native apps to your users with progressive web applications Create fast, reliable, and engaging PWAs with React and Firebase Create high-performance applications even with low connection speeds by leveraging modern web technologies Who This Book Is For This book is for Javascript Developers who want to develop high performance Web User Interfaces. This book requires basic knowledge of HTML, CSS and JavaScript. What You Will Learn Set up Webpack configuration, as well as get the development server running Learn basic Firebase configuration and deployment Create routes, manage multiple components, and learn how to use React Router v4 to manage the flow of data Use React life cycle methods to load data Add a service worker to the app and learn how it works Use a service worker to send Push Notifications Configure Webpack to split up the JavaScript bundle and

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lazy load component files Learn how to use the web Cache API to use your app offline Audit PWAs with Google's Lighthouse tool In Detail For years, the speed and power of web apps has lagged behind native applications. Progressive Web Apps (PWAs) aim to solve this by bridging the gap between the web apps and native apps, delivering a host of exciting features. Simultaneously, React is fast becoming the go-to solution for building modern web UIs, combining ease of development with performance and capability. Using React alongside PWA technology will make it easy for you to build a fast, beautiful, and functional web app. After an introduction and brief overview of the goals of PWAs, the book moves on to setting up the application structure. From there, it covers the Webpack build process and the process of creating React components. You'll learn how to set up the backend database and authentication solution to communicate with Firebase and how to work with React Router. Next, you will create and configure your web app manifest, making your PWA installable on mobile devices. Then you'll get introduced to service workers and see how they work as we configure the app to send push notifications using Firebase Cloud Messaging. We'll also explore the App Shell pattern, a key concept in PWAs and look at its advantages regarding efficient performance. Finally, you'll learn how to add offline capabilities to the app with caching and confirm your progress by auditing your PWA with Lighthouse. Also, you'll discover helper libraries and shortcuts that will help you save time and understand the future of PWA development. Style and approach This is

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a step-by-step book, wherein, you will use the React framework to create a complete progressive web app. Build fast, reliable web applications using the latest web development technologies. This book provides step-by-step learning through the process of transforming a “traditional” web app into a high-performing progressive web app, leveraging principles and lessons taught throughout the book. You will learn to improve the performance, reliability, reach, and user engagement of mobile web applications through the use of specific, practical examples. Because most non-trivial web applications developed today use JavaScript frameworks, you will learn about the most popular frameworks offering a PWA right out of the box, including React, Preact, Vue.js, Angular, and Ionic. You also will learn which tools to enlist to measure your application’s performance, such as Google’s Lighthouse. Beginning Progressive Web App Development includes best practices to make your app work even when an end user has a poor or no Internet connection, and to send notifications and reminders with the Notification and Push APIs to keep your users engaged. You will come away with an understanding of the technologies—application shells, server push technology, and caching—that will allow you to rapidly deliver content to your users. As important as it is to provide mobile users with a great experience, the principles of PWAs are not limited to smartphones. Most of what you will learn in this book is directly applicable to web applications on all screen sizes.

What You'll Learn

- Achieve nearly instant loading times
- Implement service workers to make your app load faster and work while users are offline
- Keep users engaged with web notifications
- Measure the performance and reach of your web applications
- Transform your existing web app into a progressive web app
- Create a progressive web app from

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scratch Understand what building a truly fast web app entails with Google's PRPL pattern Who This Book Is For Web developers with prior JavaScript experience

The Ionic Framework supports a variety of mobile platforms. Throughout this series, I will cover the important aspects of development with Ionic and React, going from zero code all the way to the Apple App and Google Play Stores. This volume will cover the absolute basics: I will show you how to build a simple Ionic application. I will cover the application structure, explaining how an Ionic application is laid out. Next I will introduce some of Ionic's more useful UI components and create a basic side-menu for the demo application. Unlike many books that spend a lot of time on background, this one is designed to be fast paced, with a minimum of fuss and fluff. It is all hands-on. By the time you complete the series, you should have the confidence you need to create and deploy your own mobile app for iOS or Android. It will be a fast ride, so hang on.

Book Excerpt: ...I."But might not Three Bears make up a war party and go forth to seek her? "Alas! that may not be," Timid Hare told herself. "My dear father would himself meet death at the hands of these cruel warriors."The rent in the curtain was nearly sewed up when Black Bull stole into the lodge. He wanted to talk to the little stranger with eyes sad like his own, and he did not wish his mother to know it. Behind Black Bull came his dog, wolfish-looking like most of his breed, but as Black Bull squatted in his corner, the animal crouched close at his master's side as though he loved him. "Poor fellow, he has a pet to follow him about just as I had at home," thought Timid Hare. "Perhaps by-and-by the dog may learn to love me too." There was a big lump in the little girl's throat, and she coughed as she tried to choke it back. "Hard work," said Black Bull as he watched her pulling the coarse thread through the buffalo skin and trying not to tear it. "Hard work,"

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he repeated. "Too bad." Timid Hare...

An ancient war flares to life, and Grace is caught in the crossfire. All she wanted was to put her past behind her and put her life on track. Get a degree, a nice job, maybe a family. Instead everything she's ever been taught is called into question. The enemy is older than Rome, hiding on Earth, and not fully in control of powers that could destroy the planet. But in the middle of strife and risk, there is also opportunity - and Grace's feet are set on a path to become more than she ever dreamed.

Demon possession has swept through Glace's neighboring kingdom, turning humans into hellhounds. These great, fanged wolves are wild, desperate, and hungry. Only the sworn Hunters have kept them back for five long, bloody years. At the young age of fifteen, Belle LeClair became a Hunter. She no longer remembers how many hounds she's killed, or how many friends she's buried. Still, Belle leads the hunt till a tragedy forces her deep into the dark kingdom. Her heart will be turned, her loyalty tested- and fate will intervene. Amid a backdrop of Steampunk inventions and a harsh winter landscape, *The Beast* is a re-imagining of the infamous love between a beauty and a beast. Young Adult Fantasy/Adventure Romance

Jacek Lidwin presents "Unknown People", a book containing 126 black and white street portraits. This book highlights provoking and contemporary examples of the medium of portraiture. Jacek is trying to express his perspective on individuals, unknown people who he meets in the streets of Poland. His art illustrates Osho's words: "We are born alone, we live alone and we die alone. Aloneness is our very nature but we are not aware of it". He is inspired by street photography of Robert Frank, Henri Cartier-Bresson, Robert Doisneau.

ÊIf my present reader happens to be a Boy Scout or a scout-

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master who wants the scouts to build a tower for exhibition purposes, he can do so by following the directions here given, but if there is real necessity for haste in the erection of this tower, of course we cannot build one as tall as we might where we have more time. With a small tower all the joints may be quickly lashed together with strong, heavy twine, rope, or even wire; and in the wilderness it will probably be necessary to bind the joints with pliable roots, or cordage made of bark or withes; but as this is not a book on woodcraft we will suppose that the reader has secured the proper material for fastening the joints of the frame of this signal-tower and he must now shoulder his axe and go to the woods in order to secure the necessary timber. First let him cut eight straight poles—that is, as straight as he can find them. These poles should be about four and one half inches in diameter at their base and sixteen and one half feet long. After all the branches are trimmed off the poles, cut four more sticks each nine feet long and two and a half or three inches in diameter at the base; when these are trimmed into shape one will need twenty six or seven more stout sticks each four and one half feet long for braces and for flooring for the platform.

Several client-side storage options are available to web applications, but one area that's been lacking until now is file I/O—the ability to organize binary data into a true hierarchy of folders. That has changed with the advent of HTML5. With this book, you'll learn how to provide your applications with a file system that enables them to create, read, and write files and folders in a sandboxed section of the user's local filesystem. Author Eric Bidelman, a Senior Developer Programs Engineer on the Google Chrome team, provides several techniques and complete code examples for working with the HTML5 Filesystem API. Learn common operations for working with files and directories Become familiar with HTML5's storage use cases and security considerations

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Understand the storage options available, including temporary, persistent, and unlimited Write text or append data to an existing user file Import files into your application by accessing a user's hard drive Get techniques for using a file with filesystem, blob, or data URLs Use the synchronous version of the HTML5 Filesystem API within a Web Worker context

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