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## KANE ERICKSON

*Security and Privacy in Communication Networks* Pearson Education

Create large-scale web applications with code that is extensible and easy to understand using React Hooks Key FeaturesExplore effective strategies for migrating your state management from Redux and MobX to React HooksIntegrate Hooks with React features such as Context and Suspense to add advanced functionality to your web appsCreate complex applications by combining multiple hooksBook Description React Hooks revolutionize how you manage state and effects in your web applications. They enable you to build simple and concise React.js applications, along with helping you avoid using wrapper components in your applications, making it easy to refactor code. This React book starts by introducing you to React Hooks. You will then get to grips with building a complex UI in React while keeping the code simple and extensible. Next, you will quickly move on to building your first applications with React Hooks. In the next few chapters, the book delves into various Hooks, including the State and Effect Hooks. After covering State Hooks and understanding how to use them, you will focus on the capabilities of Effect Hooks for adding advanced functionality to React apps. You will later explore the Suspense and Context APIs and how they can be used with Hooks. Toward the concluding chapters, you will learn how to integrate Redux and MobX with React Hooks. Finally, the book will help you develop the skill of migrating your existing React class components, and Redux and MobX web applications to Hooks. By the end of this book, you will be well-versed in building your own custom Hooks and effectively refactoring your React applications. What you will learnUnderstand the fundamentals of React Hooks and how they modernize state management in React appsBuild your own custom Hooks and learn how to test themUse community Hooks for implementing responsive design and moreLearn the limitations of Hooks and what you should and shouldn't use them forGet to grips with implementing React context using HooksRefactor your React-based web application, replacing existing React class components with HooksUse state management solutions such as Redux and MobX with React HooksWho this book is for This book is for React developers who want to learn how to build applications with Hooks. Developers who are looking to migrate to React for its advanced feature set and capabilities will also find the book useful.

**Joomla!® 3 Explained** CRC Press

An unbiased, balanced guide to all aspects of digital marketing planning and strategy, from social media, mobile and VR marketing to objectives, metrics and analytics.

**Front-End Reactive Architectures** Addison-Wesley Professional This book constitutes the thoroughly refereed papers of the Second International Conference on Applied Informatics, ICAI 2019, held in Madrid, Spain, in November 2019. The 37 full papers and one short paper were carefully reviewed and selected from 98 submissions. The papers are organized in topical sections on bioinformatics; data analysis; decision systems; health care information systems; IT Architectures; learning management systems; robotic autonomy; security services; socio-technical systems; software design engineering.

*Intelligence in Big Data Technologies—Beyond the Hype* McGraw Hill Professional

This book is aimed at developers that are looking for a Quickstart Guide For learning How to Style an Angular Application. What is the core value proposition of this book? Sit down in one evening with this book (this Jumpstart is condensed to 33 pages), and learn in a single read everything that you will likely need for Styling an Angular Application. Gain a practical understanding of the Angular style isolation mechanism, learn when to use it and why and what problems does it solve. Learn the many ways available for using the angular core styling directives. Why a Fast-track Guide to Angular Styling? You probably noticed over the years that as applications grow and new styles are added to support new requirements, the CSS very quickly gets out of hand as it becomes harder to maintain. One of the main reasons for that is that there is no native CSS support for things like variables and functions that are available in most other languages. But another key reason is that the styles of a component are not isolated: Many styles cascade to child elements by default and that is not always the intended behavior. We often end up applying a style to implement a requirement, and then find out that there are unexpected side effects: The new styles accidentally break something else, that we then either have to

patch, or refactor everything to make it more maintainable. The Angular style isolation mechanism provides a much better alternative to that, and that is what we will be learning in this guide!

**Dotted Lines** Springer Nature

Core Animation is the technology underlying Apple's iOS user interface. By unleashing the full power of Core Animation, you can enhance your app with impressive 2D and 3D visual effects and create exciting and unique new interfaces. In this in-depth guide, iOS developer Nick Lockwood takes you step-by-step through the Core Animation framework, building up your understanding through sample code and diagrams together with comprehensive explanations and helpful tips. Lockwood demystifies the Core Animation APIs, and teaches you how to make use of Layers and views, software drawing and hardware compositing Layer geometry, hit testing and clipping Layer effects, transforms and 3D interfaces Video playback, text, tiled images, OpenGL, particles and reflections Implicit and explicit animations Property animations, keyframes and transitions Easing, frame-by-frame animation and physics Performance tuning and much, much more! Approximately 356 pages.

**Decoupled Drupal in Practice** Apress

Due to the continuously stream of security breaches two security architects in the Netherlands started a project to harvest good practices for better and faster creating architecture and privacy solution designs. This project resulted in a reference architecture that is aimed to help all security architects and designers worldwide. All kinds of topics that help creating a security or privacy solution architecture are outlined, such as: security and privacy principles, common attack vectors, threat models while in-depth guidelines are also given to evaluate the use of Open Source security and privacy application in various use cases.

**Learn React Hooks** Diversion Books

Build fault tolerant concurrent and distributed applications with AkkaAbout This Book- Build networked applications that self-heal-Scale out your applications to handle more traffic faster- An easy-to-follow guide with a number of examples to ensure you get the best start with AkkaWho This Book Is ForThis book is intended for beginner to intermediate Java or Scala developers who want to build applications to serve the high-scale user demands in computing today. If you need your applications to handle the ever-growing user bases and datasets with high performance demands, then this book is for you. Learning Akka will let you do more for your users with less code and less complexity, by building and scaling your networked applications with ease.What You Will Learn- Use Akka to overcome the challenges of concurrent programming- Resolve the issues faced in distributed computing with the help of Akka- Scale applications to serve a high number of concurrent users- Make your system fault-tolerant with self-healing applications- Provide a timely response to users with easy concurrency- Reduce hardware costs by building more efficient multi-user applications- Maximise network efficiency by scaling itIn DetailSoftware today has to work with more data, more users, more cores, and more servers than ever. Akka is a distributed computing toolkit that enables developers to build correct concurrent and distributed applications using Java and Scala with ease, applications that scale across servers and respond to failure by self-healing. As well as simplifying development, Akka enables multiple concurrency development patterns with particular support and architecture derived from Erlang's concept of actors (lightweight concurrent entities). Akka is written in Scala, which has become the programming language of choice for development on the Akka platform.Learning Akka aims to be a comprehensive walkthrough of Akka. This book will take you on a journey through all the concepts of Akka that you need in order to get started with concurrent and distributed applications and even build your own.Beginning with the concept of Actors, the book will take you through concurrency in Akka. Moving on to networked applications, this book will explain the common pitfalls in these difficult problem areas while teaching you how to use Akka to overcome these problems with ease.The book is an easy to follow example-based guide that will strengthen your basic knowledge of Akka and aid you in applying the same to real-world scenarios.Style and approachAn easy-to-follow, example-based guide that will take you through building several networked-applications that work together while you are learning concurrent and distributed computing concepts. Each topic is explained while showing you how to design with Akka and how it is used to overcome common problems in applications. By showing Akka in context to the problems, it will help you understand what the common problems are in distributed applications and how to overcome them.

**Learning React** Apress

If you want to learn how to build efficient user interfaces with React, this is your book. Authors Alex Banks and Eve Porcello show you how to create UIs with this small JavaScript library that can deftly display data changes on large-scale, data-driven websites without page reloads. Along the way, you'll learn how to work with functional programming and the latest ECMAScript features. Developed by Facebook, and used by companies including Netflix, Walmart, and The New York Times for large parts of their web interfaces, React is quickly growing in use. By learning how to build React components with this hands-on guide, you'll fully understand how useful React can be in your organization. Learn key functional programming concepts with JavaScript Peek under the hood to understand how React runs in the browser Create application presentation layers by mounting and compositing React components Use component trees to manage data and reduce the time you spend debugging applications Explore React's component lifecycle and use it to load data and improve UI performance Use a routing solution for browser history, bookmarks, and other features of single-page applications Learn how to structure React applications with servers in mind

**The 2020 Web Almanac** Apress

"It's not easy to find such a generous book on big data and databases. Fortunately, this book is the one." Feng Yu. Computing Reviews. June 28, 2016. This is a book for enterprise architects, database administrators, and developers who need to understand the latest developments in database technologies. It is the book to help you choose the correct database technology at a time when concepts such as Big Data, NoSQL and NewSQL are making what used to be an easy choice into a complex decision with significant implications. The relational database (RDBMS) model completely dominated database technology for over 20 years. Today this "one size fits all" stability has been disrupted by a relatively recent explosion of new database technologies. These paradigm-busting technologies are powering the "Big Data" and "NoSQL" revolutions, as well as forcing fundamental changes in databases across the board. Deciding to use a relational database was once truly a no-brainer, and the various commercial relational databases competed on price, performance, reliability, and ease of use rather than on fundamental architectures. Today we are faced with choices between radically different database technologies. Choosing the right database today is a complex undertaking, with serious economic and technological consequences. Next Generation Databases demystifies today's new database technologies. The book describes what each technology was designed to solve. It shows how each technology can be used to solve real word application and business problems. Most importantly, this book highlights the architectural differences between technologies that are the critical factors to consider when choosing a database platform for new and upcoming projects. Introduces the new technologies that have revolutionized the database landscape Describes how each technology can be used to solve specific application or business challenges Reviews the most popular new wave databases and how they use these new database technologies

**Digital Marketing** Addison-Wesley Professional

Take an in-depth look into the gig economy to see how tech professionals and entrepreneurs can earn a living as freelancers and contractors. Build your own business. The pros and cons of the lifestyle and what to expect from it are discussed. In this book, author Adam Sinicki explains the impact of the gig economy and the forces that led to it as it relates to technology and working online. You will understand how to make a living supplying tech skills on a "per gig" basis. Practical instructions, advice, and tips are provided on goal setting, lifestyle design, and selecting the types of work and contracts that further your goals and support the things you value as you transition from a 9-5 job. What You'll Learn Know the types of work that a tech freelancer can offer: coding, SEO, web development, 3D modeling, and more Find and manage clientsNegotiate pay and contractsStay productive without a managerDiscover useful tools, websites, and apps to build your business and ensure a steady income Who This Book Is For Entrepreneurs who are already a part of the gig economy and want to learn more about their options, tech professionals looking to transition to purely freelancing/contracting, companies interested in learning more about this change in the jobs market, technologists interested in exploring how the Internet is shaping the way people live and work, and professionals interested in lifestyle design or becoming "digital nomads"

**Learning React** Apress

Do you use a single API Call Processing Server? Worse yet, do you have all of your web servers making individual API calls all on



their own? Just a single API transaction takes 9 steps to complete through TCP, and your system is getting bogged down with delays from TCP communications. The internet runs on HTTP, and HTTP runs on TCP. You could still use websockets to keep some of the overhead low. However, the TCP/IP stack is just one of many bottlenecks in your infrastructure. Did you know that you don't need to collect the response from every API call you make? What if you could always speak to every API in your format of choice? I'll show you how. In this book, you'll learn about how implementing an API Call Processing Server or cloud can dramatically reduce the time to transact with an API, reduce your web server overhead, and make programming with APIs so much easier.

**ASP.NET MVC Framework Unleashed** Packt Publishing Ltd  
AngularJS is responsible for making the website interactive and responsive. It helps designer and developers to eliminate much of the code usually needed for websites development. AngularJS is based upon MVC model. To learn and harness more power of the AngularJS framework, it takes a continuous intervention from an expert. But if you like to learn by yourself without spending big bucks behind expensive courses. This e-book could be your ultimate guide to AngularJS or AngularJS 2 Programming. The book covers all basic fundamentals of AngularJS like Routes, Modules, Directives, Dependency Injection and so on. The images and examples are well-illustrated addressing each and every glitch of AngularJS. The book purpose is to make AngularJS easier, simpler and interesting such that even beginners will feel like a pro at the end of the book. This edition promises your eventual mastery of AngularJS. The best thing about the book is that it is small and can be completed in a day. It will not only save your time but also accomplish our goal to save your effort in learning all needless jargons of AngularJS. With this e-book, you will be ready to create angular UI development as well as large scale applications effortlessly. Table Of Content Chapter 1: What is AngularJS? AngularJS Features AngularJS Architecture AngularJS Advantages Chapter 2: Hello World Chapter 3: Controller What Controller does from Angular's perspective How to build a basic Controller How to define Methods in Controller Using ng-controller in External Files Chapter 4: What is \$Scope in AngularJS? Chapter 5: ng-repeat Directive Chapter 6: How to use ""ng-model"" The ng-model Attribute How to use ng-model Chapter 7: ng-view What is a View? ng-view Directive in AngularJS ng-view Example Chapter 8: Expressions Explain Angular.js Expressions with an example AngularJS Numbers AngularJS Strings AngularJS Objects AngularJS Arrays AngularJS Expression capabilities and Limitations Difference between expression and \$eval Chapter 9: Filter Lowercase Uppercase Number Currency JSON Chapter 10: Custom Filter Chapter 11: Directive Chapter 12: CUSTOM Directive How to Create a Custom Directive? AngularJS Directives and Scopes Using controllers with directives How to create reusable directives AngularJS Directives and components - ng-transclude Nested directives Handling events in a directive Chapter 13: Module How to Create a module in AngularJS Modules and Controllers Chapter 14: Events The ng-click directive Showing HTML Elements using ng-show Hiding HTML Elements using ng-hide AngularJS Event Listener Directives Chapter 15: Routing with Parameters Adding Angular Route (\$routeProvider) Creating a default route Accessing parameters from the route Using Angular \$route service Enabling HTML5 Routing Chapter 16: AJAX Call High-level interactions with servers using \$resource Low-level server interactions with \$http Fetching data from a server running SQL and MySQL Chapter 17: Table Chapter 18: Form Validation

**Angular for Enterprise-Ready Web Applications** Sage Publications Limited

If you want to learn how to build efficient React applications, this is your book. Ideal for web developers and software engineers who understand how JavaScript, CSS, and HTML work in the browser, this updated edition provides best practices and patterns for writing modern React code. No prior knowledge of React or functional JavaScript is necessary. With their learning road map, authors Alex Banks and Eve Porcello show you how to create UIs that can deftly display changes without page reloads on large-scale, data-driven websites. You'll also discover how to work with functional programming and the latest ECMAScript features. Once you learn how to build React components with this hands-on guide, you'll understand just how useful React can be in your organization. Understand key functional programming concepts with JavaScriptLook under the hood to learn how React runs in the browserCreate application presentation layers with React componentsManage data and reduce the time you spend

debugging applicationsIncorporate React Hooks to manage state and fetch dataUse a routing solution for single-page application featuresLearn how to structure React applications with servers in mind

*Learning Spring Boot* Packt Publishing Ltd

Create iOS and Android apps with Flutter using just one codebase. App development on multiple platforms has historically been difficult and complex. This book breaks down complex concepts and tasks into easily digestible segments with examples, pictures, and hands-on labs with starters and solutions. In doing so, you'll develop a basic understanding of the Dart programming language; the entire Flutter development toolchain; the differences between stateful and stateless widgets; and a working knowledge of the architecture of apps. All the most important parts of app development with Flutter are covered in this book. Work with themes and styles. Develop custom widgets. Teach your app to respond to gestures like taps, swipes, and pinches. Design, create and control the layout of your app. Create tools to handle form data entry from users. And ultimately create killer multiscreen apps with navigation, menus, and tabs. Flutter is Google's new framework for creating mobile apps that run on iOS and Android phones both.You had to be a super-developer to write apps for iOS or Android alone. But writing for both? Forget about it! You had to be familiar with Swift, Java/Kotlin, Xcode, Eclipse, and a bunch of other technologies simultaneously. Beginning App Development with Flutter simplifies the entire process. What You'll Learn Get the most out of great Flutter widgets Create custom widgets, both stateless and statefulExercise expert control over your Flutter layoutsMake your app respond to gestures like swiping, pinching and tappingInitiate async Ajax calls to RESTful APIs — including Google Firebase! Who This Book Is ForDevelopers who have coded in Java, C#, C++, or any similar language. It brings app development within the reach of younger developers, so STEM groups are likely to pick up the technology. Managers, product owners, and business analysts need to understand Flutter's capabilities.

*Data Analysis Using SQL and Excel* "O'Reilly Media, Inc."

React Explained is a fun and enjoyable introduction to React, which is the Javascript framework of choice for WordPress, Drupal, Magento, and thousands of developers. Key Features Up-to-Date: Constantly updated, the material in React Explained is always current. Clear instruction: You will follow plain English, clear visuals, and enjoyable step-by-step instructions. Hands-on learning: You will master React by building a complete React application. What You'll Learn In React Explained, readers will dig deep into how React works and will learn how to build applications with it. While the focus is on building for the frontend on the web, many of the skills you will learn will also apply to writing React on the server side, for native applications and even for Virtual Reality environments. Table of Contents The Javascript You Should Know for React Helpful Developer Tools for React A High Level Overview of React React Elements and Components Explained 5 Exercises in Writing React With Elements and Components JSX Explained 5 Exercises in Writing React With JSX Create React App Explained 5 Exercises With Create React App Props in React Explained 5 Exercises in Working With Props State in React Explained 5 Exercises in Working With State The Component Lifecycle Explained 5 Exercises With the Component Lifecycle Project Introduction Step 1 - Listing Content from State Step 2 - Routing and Single Content Views Step 3 - Adding a Content Form Step 4 - Adding Flash Messages Step 5 - Updating Content Step 6 - Deleting Content Step 7 - Maintaining Persistent State With Local Storage Step 8 - Authenticating With a Firebase Database Step 9 - CRUD and Live Syncing With Firebase Step 10 - Deploying the Project Step 11 - Refactoring Your Code About the Author Zac Gordon is a professional educator, who currently focuses on JavaScript development with and alongside WordPress at javascriptforwp.com. Zac has years of experience teaching at high schools, colleges, bootcamps and online learning sites like Treehouse, Udemy and Frontend Masters. In addition to teaching, Zac also runs Web Hosting for Students, one of the world's largest hosting companies dedicated to students and teachers. You can also catch his free Office Yoga sessions on OfficeYoga.tv.

**Next Generation Databases** John Wiley & Sons

Drupal made easy, by top Drupal trainer Stephen Burge, who teaches everything a student needs to know--and nothing they don't need to know! They'll master Drupal one easy step at a time, through a complete, real-world sample project. With crystal-clear visuals, simple explanations, perfect analogies, Drupal 7

Explained guides students up the learning curve--from confusion to results!

*Drupal 7 Explained* Apress

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

**Pro Android Augmented Reality** Apress

Summary React Native in Action gives iOS, Android, and web developers the knowledge and confidence they need to begin building high-quality iOS and Android apps using the React Native framework. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology React Native gives mobile and web developers the power of "and." Write your app once and easily deploy it to iOS and Android and the web. React Native apps compile into platform-specific code, reducing development time, effort, and cost! And because you're using JavaScript and the React framework, you benefit from a huge ecosystem of tools, expertise, and support. About the Book React Native in Action teaches you to build high-quality cross-platform mobile and web apps. In this hands-on guide, you'll jump right into building a complete app with the help of clear, easy-to-follow instructions. As you build your skills, you'll drill down to more-advanced topics like styling, APIs, animations, data architecture, and more! You'll also learn how to maximize code reuse without sacrificing native platform look-and-feel. What's Inside Building cross-platform mobile and web apps Routing, Redux, and animations Cross-network data requests Storing and retrieving data locally Managing data and state About the Reader Written for beginner-to-intermediate web, Android, and iOS developers. About the Authors Nader Dabit is a developer advocate at AWS Mobile, where he works on tools and services to allow developers to build full-stack web and mobile applications using their existing skillset. He is also the founder of React Native Training and the host of the "React Native Radio" podcast. Table of Contents PART 1 Getting started with React Native Getting started with React Native Understanding React Building your first React Native app PART 2 Developing applications in React Native Introduction to styling Styling in depth Navigation Animations Using the Redux data architecture library PART 3 API reference Implementing cross-platform APIs Implementing iOS-specific components and APIs Implementing Android-specific components and APIs PART 4 Bringing it all together Building a Star Wars app using cross-platform components

**React Explained** Apress

Based on the bestselling first edition, *Beginning Ruby: From Novice to Professional*, Second Edition is the leading guide for every type of reader who wants to learn Ruby from the ground up. The new edition of this book provides the same excellent introduction to Ruby as the first edition plus updates for the newest version of Ruby, including the addition of the Sinatra and Ramaze web application frameworks and a chapter on GUI development so developers can take advantage of these new trends. *Beginning Ruby* starts by explaining the principles behind object-oriented programming and within a few chapters builds toward creating a full Ruby application. By the end of the book, in addition to in-depth knowledge of Ruby, you'll also have basic understanding of many ancillary technologies such as SQL, XML, web frameworks, and networking. Introduces readers to the Ruby programming language Takes readers from basic programming skills to web development with topics like Ruby-based frameworks and GUI programming Covers many ancillary technologies in order to provide a broader picture (e.g., databases, XML, network daemons)

*The New Frontier in Web API Programming* "O'Reilly Media, Inc."

Learn how to use reactive architectures on the front-end. There are many technologies using a reactive approach on the back end, but this book teaches you how the reactive manifesto can be used to benefit your front-end programming as well. You will discover what reactive programming is, what the current front-end ecosystem looks like, and how to use a range of frameworks and libraries. You will also apply specific reactive architectures in your own projects. Each concept is taught with a mix of technical explanations and real-world code implementations. The future of front-end programming and architecture is reactive - don't get left behind: Add Front-End Reactive Architectures to your library today. What You'll Learn Understand when and why you should use a reactive architecture Apply a specific reactive architecture in a project Manage different reactive architectures Who This Book Is For Mid-senior front-end developers, tech leads, and solutions architects