Node Js I Tutorials For Kubernetes Spring Jdbc Java

Learning Node.js A Hands-On Guide to Building Web Applications in JavaScript Node.js makes it far easier to create fast, compact, and reliable web/network applications and web servers, and is rapidly becoming indispensable to modern web developers. Learning Node.js brings together the knowledge and JavaScript code you need to build master the Node.js platform and build server-side applications with extraordinary speed and scalability. You'll start by installing and running Node.js, understanding the extensions it uses, and quickly writing your first app. Next, building on the basics, you'll write more capable application servers and extend them with today's most powerful Node.js tools and modules. Finally, you'll discover today's best practices for testing, running Node.js code on production servers, and writing command-line utilities. Throughout the book, author Marc Wandschneider teaches by walking you line-by-line through carefully crafted examples, demonstrating proven techniques for creating highly efficient applications and servers. Build Node.js solutions that leverage your current JavaScript skills Master Node.js nonblocking IO and async programming Handle more requests and increase your application's flexibility Use and write your own modules Perform common JSON/web server tasks Use browsers to generate pages on the fly via Ajax calls and template libraries Simplify development with the express framework Create database back-ends using popular NoSQL and relational

databases Deploy and run Node.js apps on Unix/OS X or Windows servers Take advantage of multiprocessor hardware Support virtual hosts and SSL/HTTPS security Test Node.js programs that mix synchronous, async, and RESTful server API functionality

Everything you need to get running with IaaS for Amazon Web Services Modern businesses rely on Infrastructure-as-a-Service (IaaS)—a setup in which someone else foots the bill to create application environments—and developers are expected to know how to write both platform-specific and IaaS-supported applications. If you're a developer who writes desktop and web applications but have little-to-no experience with cloud development, this book is an essential tool in getting started in the IaaS environment with Amazon Web Services. In Amazon Web Services For Developers For Dummies, you'll quickly and easily get up to speed on which language or platform will work best to meet a specific need, how to work with management consoles, ways you'll interact with services at the command line, how to create applications with the AWS API, and so much more. Assess development options to produce the kind of result that's actually needed Use the simplest approach to accomplish any given task Automate tasks using something as simple as the batch processing features offered by most platforms Create example applications using JavaScript, Python, and R Discover how to use the XML files that appear in the management console to fine tune your configuration Making sense of Amazon Web Services doesn't have to be as difficult as

it seems—and this book shows you how.

In this Getting Started with Node.js training course, expert author Wes Higbee will teach you everything you need to know to begin incorporating Node.js in your development work. This course is designed for the absolute beginner, meaning no prior experience with Node.js is required. You will start by learning how to productively develop and debug Node.js applications. From there, Wes will teach you how to use npm packages. This video tutorial also covers the dev workflow, and how to find existing projects using npm to leverage in your node applications. Finally, you will learn about WebStorm LiveEdit to quickly load code changes, as well as unhandled exceptions. Once you have completed this computer based training course, you will have learned everything you need to know to start incorporating Node.js into your development work. Working files are included, allowing you to follow along with the author throughout the lessons. Automate your workflow with the power of Node.js! If your job is loaded with manual work, then why not write scripts that can deal with it for you? With this book, you will learn how to deal with many tasks such as zipping files, emailing colleagues, and deploying your work at the press of a button. The book is structured into two parts: The first part is a collection of recipes, or building blocks that behave as individual global commands. These can be used as you go about your day, and can be called at any time to speed up your workflow or for pure convenience. The second part is a walkthrough of creating a cross-platform build tool from the ground up that you and your

team can use to speed up your workflow.

Learn how to institute Reactive Programming (RP) for your back-end development with Node.js. Up to now, RP has most often been used in front-end development, but with its cutting-edge approach you can also transform your back-end programming. Reactive Programming with Node.js will show you the paradigms of RP, why you should use it, and the variations available to you. You will learn how to use the main libraries necessary to provide an enhanced development experience in Node.js, including RxJS, Bacon.js, Kefir.js, and Highland.js. You will also create a custom library that provides a variety of key features, and learn how to scale up a system developed using RP in Node.js. Ideal for back-end developers with knowledge of Node.js or JavaScript, this book enables you to get up and running with RP in Node.js, and revolutionize your back-end development. What You'll Learn: Review the variations of Reactive programming Use the main libraries that provide this type of development experience in Node.js Create a custom library Scale up a system developed using RP in Node.js Who This Book Is For: Any back-end developers who understand Node.js or are advanced enough to pick up the basics. Ideal for developers who have an interest in learning about this different programming paradigm that's being used more and more every day. Create powerful applications with the most robust open source web mapping library using this advanced guide About This Book Develop responsive and platform-independent web mapping applications with OpenLayers 3 Learn the key points of

creating great applications with native JavaScript through the step-by-step examples Master the use of the library, from compiling custom builds to developing a complete WebGIS application Who This Book Is For This book is intended for front-end developers with basic understanding of JavaScript and GIS concepts, and preferably for those who are familiar with the fundamentals of OpenLayers 3. You might have never used OpenLayers 3 as a seasoned JavaScript developer. If this is the case and you are eager to learn web mapping, this book will definitely set you on the right track. What You Will Learn Use the advanced functionality of the OpenLayers 3 library effectively Implement the library in your application, shaping it to your needs Manage layers and the layer stack dynamically Create not only stunning but also accurate thematic maps Extend OpenLayers 3 with your own custom classes Develop mobile-friendly web mapping applications Make stunning effects with canvas manipulation, or visualize point clouds with WebGL Integrate third-party applications, and create custom builds that completely satisfy your needs In Detail OpenLayers 3 allows you to create stunning web mapping and WebGIS applications. It uses modern, cutting edge browser technologies. It is written with Closure Library, enabling you to build browser-independent applications without painful debugging ceremonies, which even have some limited fallback options for older browsers. With this guide, you will be introduced to the world of advanced web mapping and WebGIS. First, you will be introduced to the advanced features and functionalities available in OpenLayers 3. Next, you will be

taken through the key points of creating custom applications with OpenLayers 3. You will then learn how to create the web mapping application of yours (or your company's) dream with this open source, expense-free, yet very powerful library. We'll also show you how to make amazing looking thematic maps and create great effects with canvas manipulation. By the end of this book, you will have a strong command of web mapping and will be well on your way to creating amazing applications using OpenLayers 3. Style and approach This is an advanced guide packed with comprehensive examples, and it concentrates on the advanced parts of OpenLayers 3 and JavaScript. It intentionally skips the basic and well-known methodologies, but discusses the hard-to-understand ones in great detail.

A straightforward, practical guide containing step-by-step tutorials that will push your Node.js programming skills to the next level. If you are a web developer with experience in writing client-side JavaScript and want to discover the fascinating world of Node.js to develop fast and efficient web and desktop applications, then this book is for you.

Beginning Amazon Web Services with Node.js teaches any novice Node.js developer to configure, deploy, and maintain scalable small to large scale Node.js applications in Amazon Web Services. Hosting a Node.js application in a production environment usually means turning to PaaS hosting, but this approach brings problems. Deploying Node.js directly to AWS solves the problems you encounter in these situations,

enabling you to cut out the middle man. You will begin with a basic RESTful web service in Node.js, using the popular Express.js framework, pre-built and ready to run in your local environment. You will be introduced to the most powerful tools in AWS, and learn how to configure your project to take advantage of them. You will be guided through the steps of getting the various key components to work together on AWS. Through code samples using the AWS JavaScript SDK and tutorials in the AWS console, you will gain the knowledge to incorporate secure user authentication, server auto-scaling, a load balancer, CDN, customized caching behavior, and outage monitoring. Node.js is single-threaded, and designed to run high input / high output applications, making it ideal for the cloud environment. If your main task is handling a high volume of requests over HTTP / the web, it will scale very well in proportion to the computing power you allocate to it. Amazon Web Services offers a broad set of services that help organizations move faster, lower costs, and scale applications. Trusted by the largest enterprises and start-ups alike, AWS powers a wide variety of workloads across a broad spectrum. If leveraged properly, you can build a Node.js app on AWS which can automatically power itself up to handle a massive volume of traffic, and then scale back down to a lighter configuration when user demand has dropped. Amazon Web Services offers a broad set of services that help organizations move faster, lower costs, and scale applications. Get started with Node.js and AWS using this book today.

This book is ideal for JavaScript developers and programmers who work with any type of user entry data and want sharpen their skills to become experts.

Learn agile JavaScript web development using the latest cutting-edge front-end and back-end technologies including Node.js, MongoDB, Backbone.js, Parse.com, Heroku, and Microsoft Azure. Using a key project example of a message board app, you will learn the foundations of a typical web application: fetching data, displaying it, and submitting new data. Practical examples of the app build are provided with multiple technologies and all code examples are in full color. This book will save you many hours by providing a hand-picked and tested collection of quick start guides that will enable you to spend less time learning and more time building your own applications. Completely updated for this second edition, Full Stack JavaScript uses current versions of all technologies, including ES6/ES2015 and the latest versions of Node and npm. Prototype fast and ship code that matters! What You'll Learn Use a collection of quick start guides, tutorials, and suggestions, to enhance several development apps Review virtually all setup and deployment step-by-step. Work with Chat web/mobile applications Put front-end and back-end components together and deploy them to production environment Who This Book Is For Programmers who want to learn more about effective JavaScript coding

Node.js is white hot, powering the server side of major web apps from Walmart, PayPal, and Netflix. While super-powerful, raw Node can be complex and awkward.

Express.js is a web application framework for Node that organizes server-side JavaScript into testable, maintainable modules. It provides a powerful set of features to efficiently manage routes, requests, and views, along with beautiful boilerplate for web applications. Lightweight, fast, and unobtrusive, Express helps harness Node's raw power so developers can concentrate on what the application does instead of managing the nit-picky technical details. Express in Action is a carefully designed tutorial that teaches developers how to build web applications using Node and Express. It starts by introducing Node's unique characteristics and then shows how they map to the features of Express. With a clear vision of how an Express application looks, readers can systematically explore key development techniques, meet the rich ecosystem of companion tools and libraries, and even get a glimpse into its inner workings. After just a few chapters, they'll be able to build a simple Node app. By the end of the book, they'll know how to test it, hook it up to a database, and even automate the dev process. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Vue.js is a modern JavaScript framework to build a modern web application. This book provides tutorial, demo and hands-on-lab Vue.js programming. Program samples and problem scenarios are provides to accelerate how to work with Vue.js including interacting with Node.js, PHP, ASP.NET MVC Core. The following is highlight topic in this book: * Preparing Development Environment * Vue.js Components * Data Binding

and Filtering * Input Validation and Vue.js Templates * Vue.js Routing, Vue.js State and A Single Page Application (SPA) * Interacting with Back-End Servers * Vue.js, PHP and MySQL * Vue.js, ASP.NET MVC Core and MySQL * Vue.js, Node.js, Express and MongoDB * Vue.js, Node.js and Socket.io

The Comprehensive Book on Express.js The in-depth, detailed, hand-on manual on Express.js, the most popular Node.js framework. Will get you up and running fast and save you time. Understand the concepts, learn the best practices. Become an Express.js expert today. Express.js API reference, quick start guides, 20+ meticulously explained examples and tutorials -- over 270 pages with more than 60 illustrations. Quick Start The Interface TIps and Tricks Tutorials and Examples Why Express.js is the most popular Node.js web framework yet. As of this writing (September of 2013), there are no books that are solely dedicated to it. Its official website has bits of insights for advanced Node.js programmers. However, I found that many people -- including those who go through HackReactor7 program and come to my Node.js classes at General Assembly and pariSOMA -- are interested in a comprehensive resource. The one that would cover all the different components of Express.js work together in a real production-like application. The goal of Express.js Guide is to become such resource. What This Book is Express.js Guide is a concise book on one particular library. This book contains Express.js API 3.3.58 description, the best practices on code organization and patterns, real-world examples of web apps. The topics include but not

limited to middleware, command-line interface and scaffolding, ren- dering templates, extracting params from dynamic URLs, parsing payloads and cookies, managing authentication with sessions, error handling and prepping apps for production. For more details and for what exactly the book covers, please refer to the Table of Contents. What This Book is Not This book is not an introduction to Node.js, nor is it a book that covers all aspects of building a modern day web application, e.g., websockets, databases and (of course) front-end development. Keep in mind that readers also won't find in Express.js Guide a resource for learning programming and/or JavaScript fundamentals. You might want to take a look at Rapid Prototyping with JS9 for the introduction to Node.js, MongoDB and front-end development with Backbone.js. In the real-world and especially in Node.js development, due to its modularized philosophy, we seldom use just a single framework. In the book, we have tried to stick only to Express.js and leave everything else out as much as possible, without compromising the usefulness of examples. Therefore, we intentionally left out some important chunks of web developments, for example databases, authentication and testing. Although these elements are present in tutorials and examples, they're not explained in detail. For those materials, you could check books in the Related Reading and Resources section at the end of the book. Who This Book is For This book is for people fluent in programming and front-end JavaScript. In addition, to get the most benefits, readers must be familiar with basic Node.js concepts like process and global, and know core

modules, including streams, clusters and buffer type. If you're thinking of starting a Node.js app, or of rewriting an existing one, and your weapon of choice is Express.js -- this guide is for you! It will answer most of your "how" and "why" questions.
Build an interactive and full-featured web application from scratch using Node.js and MongoDB About This Book Configure your development environment to use Node.js and MongoDB Use Node.js to connect to a MongoDB database and perform data manipulations A practical guide with clear instructions to design and develop a complete web application from start to finish Who This Book Is For This book is designed for JavaScript developers of any skill level that want to get up and running using Node.js and MongoDB to build full-featured web applications. A basic understanding of JavaScript and HTML is the only requirement for this book. What You Will Learn Configure your development environment to use Node.js and MongoDB Write and configure a web server using Node.js powered by the Express.js framework Build dynamic HTML pages using the Handlebars template engine Persist application data using MongoDB and Mongoose ODM Test your code using automated testing tools such as the Mocha framework Deploy the development environment to the cloud using services such as Heroku, Amazon Web Services, and Microsoft Azure Explore Single-Page application frameworks to take your web applications to the next level In Detail Node.js and MongoDB are quickly becoming one of the most popular tech stacks for the web. Powered by Google's V8 engine, Node.js caters to easily building fast,

scalable network applications while MongoDB is the perfect fit as a scalable, high-performance, open source NoSQL database solution. Using these two technologies together, web applications can be built quickly and easily and deployed to the cloud with very little difficulty. The book will begin by introducing you to the groundwork needed to set up the development environment. Here, you will quickly run through the steps necessary to get the main application server up and running. Then you will see how to use Node.js to connect to a MongoDB database and perform data manipulations. From here on, the book will take you through integration with third-party tools for interaction with web apps. It then moves on to show you how to use controllers and view models to generate reusable code that will reduce development time. Toward the end of the book, we will cover tests to properly execute the code and some popular frameworks for developing web applications. By the end of the book, you will have a running web application developed with MongoDB and Node.js along with it's popular frameworks. Style and approach An easy guide to Node.js and MongoDB, which will quickly introduce you to the relevant concepts by taking you through the different steps involved in building a full-fledged web application.

Combining React, one of the most widely used JavaScript frameworks, and GraphQL, the modern way of querying an API, two revolutionary technologies will give you a future-proof and scalable stack you can start building your business around. This book will guide you in implementing applications by using React, Apollo, Node.js and SQL.

Node.js supports both client and server side applications. It is based on JavaScript and is very fast in operation. These distinctive features made node.js as one of the most powerful framework in the Java Ecosystem. JavaScript alone allows you to build real-time and scalable mobile and web applications. With this e-book, you will explore more on the node.js framework and how to use it efficiently for web development. Average developers or beginners who struggle to understand node.js basics will find this book very helpful and productive. The book tried to put examples that simplify problems usually faced by the users like how asynchronous code works, what are modules, how big file can be read, node.js express, etc. You will find that lots of concepts that take a long time to master can be learned in a day or two. If this is your first interaction with node.js and don't want all sort of troubles that arise with the node, this edition is recommended. After going through this e-book, node.js will become an absolute pleasure. Table of content Chapter 1: Introduction 1. Introduction to Node.js 2. What is Node.js? 3. Why use Node.js? 4. Features of Node.js 5. Who uses Node.js 6. When to Use Node.js 7. When to not use Node.js Chapter 2: How to Download & Install Node.js - NPM on Windows 1. How to install Node.js on Windows 2. Installing NPM (Node Package Manager) on Windows 3. Running your first Hello World application in Node.js Chapter 3: Node.js NPM Tutorial: Create, Publish, Extend & Manage 1. What are modules in Node.js? 2. Using modules in Node.js 3. Creating NPM modules 4. Extending modules 5. Publishing NPM(Node Package Manager) Modules 6. Managing

third party packages with npm 7. What is the package.json file Chapter 4: Create HTTP Web Server in Node.js: Complete Tutorial 1. Node as a web server using HTTP 2. Handling GET Requests in Node.js Chapter 5: Node.js Express FrameWork Tutorial 1. What is Express.js? 2. Installing and using Express 3. What are Routes? 4. Sample Web server using express.js Chapter 6: Node.js MongoDB Tutorial with Examples 1. Node.js and NoSQL Databases 2. Using MongoDB and Node.js 3. How to build a node express app with MongoDB to store and serve content Chapter 7: Node.js Promise Tutorial 1. What are promises? 2. Callbacks to promises 3. Dealing with nested promises 4. Creating a custom promise Chapter 8: Bluebird Promises Tutorial Chapter 9: Node.js Generators & Compare with Callbacks 1. What are generators? 2. Callbacks vs. generators Chapter 10: Node js Streams Tutorial: Filestream, Pipes 1. Filestream in Node.js 2. Pipes in Node.js 3. Events in Node.js 4. Emitting Events Chapter 11: Node.js Unit Testing Tutorial with Jasmine 1. Overview of Jasmine for testing Node.js applications 2. How to use Jasmine to test Node.js applications Chapter 12: Node.Js Vs AngularJS: Know the Difference 1. What is Node JS? 2. What is Angular JS? 3. Node JS VS. Angular JS 4. What Is Better Node JS Or Angular JS? Chapter 13: Node.js Vs Python: What's the Difference? 1. What is Node.js? 2. What is Python? 3. Node.JS Vs. Python 4. When to use Node js? 5. When to use Python?

Get SQL Server up and running on the Linux operating system and containers. No database professional managing or developing SQL Server on Linux will want to be without this deep

and authoritative guide by one of the most respected experts on SQL Server in the industry. Get an inside look at how SQL Server for Linux works through the eyes of an engineer on the team that made it possible. Microsoft SQL Server is one of the leading database platforms in the industry, and SQL Server 2017 offers developers and administrators the ability to run a database management system on Linux, offering proven support for enterprise-level features and without onerous licensing terms. Organizations invested in Microsoft and open source technologies are now able to run a unified database platform across all their operating system investments. Organizations are further able to take full advantage of containerization through popular platforms such as Docker and Kubernetes. Pro SQL Server on Linux walks you through installing and configuring SQL Server on the Linux platform. The author is one of the principal architects of SQL Server for Linux, and brings a corresponding depth of knowledge that no database professional or developer on Linux will want to be without. Throughout this book are internals of how SQL Server on Linux works including an in depth look at the innovative architecture. The book covers day-to-day management and troubleshooting, including diagnostics and monitoring, the use of containers to manage deployments, and the use of self-tuning and the in-memory capabilities. Also covered are performance capabilities, high availability, and disaster recovery along with security and encryption. The book covers the product-specific knowledge to bring SQL Server and its powerful features to life on the Linux platform, including coverage of containerization through Docker and Kubernetes. What You'll Learn Learn about the history and internal of the unique SQL Server on Linux architecture. Install and configure Microsoft's flagship database product on the Linux platform Manage your deployments using container technology through Docker and Kubernetes Know the basics of

building databases, the T-SQL language, and developing applications against SQL Server on Linux Use tools and features to diagnose, manage, and monitor SQL Server on Linux Scale your application by learning the performance capabilities of SQL Server Deliver high availability and disaster recovery to ensure business continuity Secure your database from attack, and protect sensitive data through encryption Take advantage of powerful features such as Failover Clusters, Availability Groups, In-Memory Support, and SQL Server's Self-Tuning Engine Learn how to migrate your database from older releases of SQL Server and other database platforms such as Oracle and PostgreSQL Build and maintain schemas, and perform management tasks from both GUI and command line Who This Book Is For Developers and IT professionals who are new to SQL Server and wish to configure it on the Linux operating system. This book is also useful to those familiar with SQL Server on Windows who want to learn the unique aspects of managing SQL Server on the Linux platform and Docker containers. Readers should have a grasp of relational database concepts and be comfortable with the SQL language.

This book will teach you how to take advantage of the JavaScript language to process data provided on the Internet. Much attention is given to the main JavaScript backbone: prototype based objects, and functional capabilities, while common features (loops, etc.) are summarized in a few cheat-sheets. Only operational features are detailed through the coding of several applications -the second and largest part of the book-, on free-access datasets (e.g. World Bank). It includes: cartography (SVG or API's based), data-sheets access (via Ajax or Jsonp), video data and post-synchronization, and animation examples.

This book is designed to help newcomers and experienced users alike learn about Kubernetes.

Its chapters are designed to introduce core Kubernetes concepts and to build on them to a level where running an application on a production cluster is a familiar, repeatable, and automated process. From there, more advanced topics are introduced, like how to manage a Kubernetes cluster itself.

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.

The definitive guide to building JavaScript-based Web applications from server to browser Node.js, MongoDB, and AngularJS are three new web development technologies that together provide an easy to implement, fully integrated web development stack. Node.js is a leading server-side programming environment, MongoDB is the most popular NoSQL database, and AngularJS is quickly becoming the leading framework for MVC-based front-end development. Together they allow web programmers to create high-performance sites and applications built completely in JavaScript, from server to client. Node.js, MongoDB and AngularJS Web Development is a complete guide for web programmers who want to integrate these three technologies into full working solutions. It begins with concise, crystal-clear tutorials on each of the three technologies and then quickly moves on to building several common web applications. Readers will learn how to use Node.js and MongoDB to build more scalable, high-performance sites, how to leverage AngularJS's innovative MVC approach to structure more effective pages and applications, and how to use all three together to deliver outstanding next-generation Web solutions.

Learn how to build a wide range of scalable real-world web applications using a professional development toolkit. If you already know the basics of Node.js, now is the time to discover how to bring it to production level by leveraging its vast ecosystem of packages.With this book, you'll work with a varied collection of standards and frameworks and see how all those pieces fit together. Practical Node.js takes you from installing all the necessary modules to writing full-stack web applications. You'll harness the power of the Express.js and Hapi frameworks, the MongoDB database with Mongoskin and Mongoose. You'll also work with Pug and Handlebars

template engines, Stylus and LESS CSS lanaguages, OAuth and Everyauth libraries, and the Socket.IO and Derby libraries, and everything in between. This exciting second edition is fully updated for ES6/ES2015 and also covers how to deploy to Heroku and AWS, daemonize apps, and write REST APIs. You'll build full-stack real-world Node.js apps from scratch, and also discover how to write your own Node.js modules and publish them on NPM. Fully supported by a continuously updated source code repository on GitHub and with full-color code examples, learn what you can do with Node.js and how far you can take it! What You'll Learn Manipulate data from the mongo console Use the Mongoskin and Mongoose MongoDB libraries Build REST API servers with Express and Hapi Deploy apps to Heroku and AWS Test services with Mocha, Expect and TravisCI Implement a third-party OAuth strategy with Everyauth Web developers who have some familiarity with the basics of Node.js and want to learn how to use it to build apps in a professional environment.
Im Alltag der imperativen Programmierung mit JavaScript bringen ungeplante Programmanderungen die gewohnten Abstraktionsmechanismen mitunter an ihre Grenzen. In diesem Buch wird ein Einstieg in die funktionale Programmierung dargeboten, deren Ansatz sich von den ubrigen Arten der Programmierung unterscheidet und zu Unrecht als schwierig zu verstehen gilt. Aufbruch in die Welt der funktionalen Programmierung und der Gewurze. Es geht um die praktischen Grundlagen des funktionalen Programmierens und immer wieder Analogien zum Kochen eines Currys, denn gutes Programmieren ist wie gutes Kochen. Bekannte funktionale Programmiersprachen sind Lisp, Haskell oder ML. Oft entstammen diese einer akademischen Welt und sind oft nur in bestimmten Bereichen relevant. Im Gegensatz dazu verwendet dieses Buch JavaScript, die Basis der offenen Web-Standards. Die auffalligste

Besonderheit bei der funktionalen Programmierung besteht darin, dass Programmfunktionen wie mathematische Funktionen oder auch Kochrezepte aufgefasst werden. Funktionen hoherer Ordnung. Ein wichtiger Aspekt beim funktionalen Programmieren sind Funktionen hoherer Ordnung. Dabei handelt es sich um Funktionen, die wiederum Funktionen als Argumente erhalten. Die Leserinnen und Leser lernen diese als Basisgrundlage kennen, um dann Funktionen hoherer Ordnung auf Arrays anzuwenden. Anschlieend fuhrt die kulinarische Reise zu dem Thema Rekursion, bevor die event-basierte Programmierung und Continuations behandelt werden. Theorie der funktionalen Programmierung. In den ersten Kapiteln kann ohne Paradigmenwechsel und ohne das Erlernen einer neuen Programmiersprache in die funktionale Programmierung eingestiegen werden. In den anschlieenden Kapiteln wird die theoretische Seite beleuchtet; zunachst das Lambda-Kalkul, die Grundlage fast aller funktionaler Programmiersprachen. Datentypen und Monaden, mit denen in rein funktionalen Programmiersprachen Seiteneffekte gekapselt werden, tauchen auf. Abgerundet wird alles durch einen Ausblick auf weitere Sprachen. In Nebenrollen haben Vindaloo-Curry, Auberginen und ein Mango-Lassi ihren Auftritt. Namaste und guten Appetit!

1 JavaScript FUNdamentals: The Powerful and Misunderstood Language of The Web 1.1 Expressiveness 1.2 Loose Typing 1.3 Object Literal Notation 1.4 Functions 1.5 Arrays 1.6 Prototypal Nature 1.7 Conventions 1.8 No Modules 1.9 Immediately-Invoked Function Expressions (IIFEs) 1.10 Keyword "this" 1.11 Pitfalls 1.12 Further Learning 2 CoffeeScript FUNdamentals: The Better JavaScript 2.1 Semicolons, Whitespace and Parentheses 2.2 Vars 2.3 Conditions 2.4 Functions 2.5 Classes 2.6 Arrays and Slicing 2.7 Splats 2.8 Comprehensions 2.9 Conclusion 3 Backbone.js FUNdamentals: The Cornerstone of

JavaScript MV* Frameworks 3.1 Typical Backbone.js App Structure 3.2 Setting up Backbone.js App from Scratch 3.3 Dependencies for the Backbone.js Project 3.4 Working with Backbone.js Collections 3.5 Event Binding with Backbone.js and jQuery 3.6 Backbone.js Views and Subviews with Underscore.js 3.7 Super Simple Backbone Starter Kit 3.8 Conclusion 4 Node.js FUNdamentals: JavaScript on The Server 4.1 Read-Eval-Print Loop (a.k.a. Console) in Node.js 4.2 Launching Node.js Scripts 4.3 Node.js Process Information 4.4 Accessing Global Scope in Node.js 4.5 Exporting and Importing Modules 4.6 Buffer is a Node.js Super Data Type 4.7 __dirname vs. process.cwd 4.8 Handy Utilities in Node.js 4.9 Reading and Writing from/to The File System in Node.js 4.10 Streaming Data in Node.js 4.11 Installing Node.js Modules with NPM 4.12 Hello World Server with HTTP Node.js Module 4.13 Debugging Node.js Programs 4.14 Taming Callbacks in Node.js 4.15 Introduction to Node.js with Ryan Dahl 4.16 Moving Forward with Express.js 5 Express.js FUNdamentals: The Most Popular Node.js Framework 5.1 Express.js Installation 5.2 Express.js Command-Line Interface 5.3 Routes in Express.js 5.4 Middleware as The Backbone of Express.js 5.5 Configuration of an Express.js App 5.6 Jade is Haml for Express.js/Node.js 5.7 Conclusion About The Express.js Framework 5.8 Update 6 About the Author 6.1 Errata 6.2 Contact Us Node.js, MongoDB and Angular Web Development The definitive guide to using the MEAN stack to build web applications Node.js is a leading server-side programming environment, MongoDB is the most popular NoSQL database, and Angular is the leading framework for MVC-based front-end development. Together, they provide an easy-to-implement, fully integrated web development stack that allows web

programmers to create high-performance sites and applications built completely in JavaScript, from server to client. Updated for Angular 2, Angular 4, and subsequent versions, this new edition of Node.js, MongoDB and Angular Web Development shows you how to integrate these three technologies into complete working solutions. It begins with concise, crystal-clear tutorials on each technology and then quickly moves on to building common web applications. You''ll learn how to use Node.js and MongoDB to build more scalable, high-performance sites, how to leverage Angular''s innovative MVC approach to structure more effective pages and applications, and how to use all three together to deliver outstanding next-generation Web solutions. Implement a highly scalable and dynamic web server using Node.js and Express Implement a MongoDB data store for your web applications Access and interact with MongoDB from Node.js JavaScript code Learn the basics of TypeScript Define custom Angular directives that extend the HTML language Build server-side web services in JavaScript Implement client-side services that can interact with the Node.js web server Build dynamic browser views that provide rich user interaction Add authenticated user accounts and nested comment components to your web applications and pages Contents at a Glance Part I: Getting Started 1 Introducing the Node.js-to-Angular Stack 2 JavaScript Primer Part II: Learning Node.js 3 Getting Started with Node.js 4 Using Events, Listeners, Timers, and Callbacks in Node.js 5 Handling Data I/O in Node.js 6 Accessing the File System from Node.js 7 Implementing HTTP Services in Node.js 8 Implementing Socket Services in

Node.js 9 Scaling Applications Using Multiple Processors in Node.js 10 Using Additional Node.js Modules Part III: Learning MongoDB 11 Understanding NoSQL and MongoDB 12 Getting Started with MongoDB 13 Getting Started with MongoDB and Node.js 14 Manipulating MongoDB Documents from Node.js 15 Accessing MongoDB from Node.js 16 Using Mongoose for Structured Schema and Validation 17 Advanced MongoDB Concepts Part IV: Using Express to Make Life Easier 18 Implementing Express in Node.js 19 Implementing Express Middleware Part V: Learning Angular 20 Jumping into TypeScript 21 Getting Started with Angular 22 Angular Components 23 Expressions 24 Data Binding 25 Built-in Directives Part VI: Advanced Angular 26 Custom Directives 27 Events and Change Detection 28 Implementing Angular Services in Web Applications 29 Creating Your Own Custom Angular Services 30 Having Fun with Angular

Demonstrates the remarkable similarities between Node.js and PHP, and teaches readers how to port an entire PHP web application to Node.js.

Get Programming with Node.jsPearson Professional

This book is designed to introduce you to using containers and Kubernetes for full-stack development. You'll learn how to develop a full-stack application using Node.js and MongoDB and how to and manage them using Docker, then Docker Compose, and finally Kubernetes.

- ?? JavaScript ???? - ?????? - ??????? - ???? var ??? - ?????? - WAT? - ??????? -

???????? - ECMAScript 5 ??????? - ???????? - ???????? - ???????? - ?????? - this ???? - Closure ????? - ? Scope chain ???? - ????? JavaScript - ?????????? - ?? prototype ?? - ???? - ?????? JSON - JSON.stringify - JSON.parse - ????? Namespace - ?????????? - Namespace ??

"Get Programming with Node.js teaches you to build web servers using JavaScript and Node. In this engaging tutorial, you'll work through eight complete projects, from writing the code for your first web server to adding live chat to a web app. Your hands will stay on the keyboard as you explore the most important aspects of the Node development process, including security, database management, authenticating user accounts, and deploying to production. You'll especially appreciate the easy-to-follow discussions, illuminating diagrams, and carefully explained code!" --

While there have been quite a few attempts to get JavaScript working as a server-side language, Node.js (frequently just called Node) has been the first environment that's gained any traction. It's now used by companies such as Netflix, Uber and Paypal to power their web apps. Node allows for blazingly fast performance; thanks to its event loop model, common tasks like network connection and database I/O can be executed very quickly indeed. In this book, we offer a selection of nine different practical projects that you can follow along with. It contains: Build a Simple Beginner App with Node, Bootstrap & MongoDB by James Hibbard How to Build a File Upload Form with Express and Dropzone.js by Lukas White How to Build and Structure a Node.js MVC

Application by James Kolce User Authentication with the MEAN Stack by Simon Holmes & Jeremy Wilken Build a JavaScript Command Line Interface (CLI) with Node.js by Lukas White & Michael Wanyoike Building a Real-time Chat App with Sails.js by Michael Wanyoike Passport Authentication for Node.js Applications by Paul Orac Local Authentication Using Passport in Node.js by Paul Orac An Introduction to NodeBots by Patrick Catanzariti This book is for anyone who wants to start learning server-side development with Node.js. Familiarity with JavaScript is assumed. Learn how to build scalable APIs using the Node.js platform and ES6 (EcmaScript 2015) with this quick, informative guide. Developing systems for the wide range of devices available in the modern world requires the construction of APIs designed to work only with data in a centralized manner, allowing client-side applications to be developed separately and have a unique interface for the final user. Node.js has proven itself to be an excellent platform for building REST APIs because of its single-thread architecture. It has a low learning curve and can be understood by anyone who has a basic understanding of the JavaScript language. Use Building APIs with Node.js today to understand how Node.js APIs work, and how you can build your own. What You Will Learn Build scalable APIs using the Node.js platform Use ES6, Express, Passport, ApiDoc, Mocha, Helmet and more Integrate an SQL database through Sequelize.js and build a single page application using Vanilla.js Who This Book Is For Ideal for developers who have a basic understanding of JavaScript and Node.js.

Take your JavaScript knowledge as far as it can go JavaScript has grown up, and it's a hot topic. Newer and fasterJavaScript VMs and frameworks built upon them have increased thepopularity of JavaScript for server-side web applications, and richJS applications are being developed for mobile devices. This bookdelivers a compelling tutorial, showing you how to build areal-world app from the ground up. Experienced developers who wantto master the latest techniques and redefine their skills will findthis deep dive into JavaScript's hidden functionalities gives themthe tools to create truly amazing and complex applications. JavaScript has evolved into much more than simple client-sidescripting; this book delves into advanced topics not generallyfound in other more intermediate JS development books Expert author delivers an in-depth tutorial showing how tobuild a real-world app that is loosely coupled, with each componentbuilt to exist separately Explores how to build a backbone app, the importance ofJavaScript templates, Node.js and MongoDB, 3D Canvas using WebGL /Three.js, how to convert a desktop app into a dedicated mobile app,and much more Ideal for experienced developers with a deep knowledge ofJavaScript as well as online developers with strong graphic designskills who are experienced in HTML/CSS and want to develop theirfront-end skills JavaScript Programming: Pushing the Limits will arm youwith the skills to create killer apps

for the 21st Century.

A comprehensive, easy-to-follow guide to creating complete Node apps and understanding how to build, deploy, and test your own apps. Key Features Entirely project-based and practical Explains the "Why" of Node.js features, not just the "how", providing you with a deep understanding and enabling you to easily apply concepts in your own applications Covers the full range of technologies around Node.js - NPM, version control with Git, and much more Book Description Learning Node.js Development is a practical, project-based book that provides you with all you need to get started as a Node.js developer. Node is a ubiquitous technology on the modern web, and an essential part of any web developers' toolkit. If you are looking to create real-world Node applications, or you want to switch careers or launch a side project to generate some extra income, then you're in the right place. This book has been written around a single goal--turning you into a professional Node developer capable of developing, testing, and deploying real-world production applications. Learning Node.js Development is built from the ground up around the latest version of Node.js (version 9.x.x). You'll be learning all the cutting-edge features available only in the latest software versions. This book cuts through the mass of information available around Node and delivers the essential skills that you need to become

a Node developer. It takes you through creating complete apps and understanding how to build, deploy, and test your own Node apps. It maps out everything in a comprehensive, easy-to-follow package designed to get you up and running quickly. What you will learn Learn the fundamentals of Node Build apps that respond to user input Master working with servers Learn how to test and debug applications Deploy and update your apps in the real world Create responsive asynchronous web applications Who this book is for This book targets anyone looking to launch their own Node applications, switch careers, or freelance as a Node developer. You should have a basic understanding of JavaScript in order to follow this course.

Pro Express.js is for the reader who wants to quickly get up-to-speed with Express.js, the flexible Node.js framework. Author Azat Mardan clearly explains how to start developing with Express.js with a basic 'Hello World', and then delves into a deep API reference, before looking at common and abstract development problems. Lastly, you will learn how to build a series of real-world apps in order to cement your knowledge. In order to get the best from this book, you will be familiar with Node.js scripts and able to install packages using npm. In the deep API reference, each aspect of the Express.js API is explained clearly with a simple exercise to demonstrate its usage. This includes configuration,

settings and environments; different middleware and its uses; templating engines; extracting parameters and routing; request and response; error handling; and running an app. In the next part you'll delve into abstraction, streams, authentication, multithreading, Socket.io, security, and more complex modules. You will also learn about smaller frameworks built using Express.js, such as Sails.js, and Derby. Finally you'll build real-world apps including a REST API, Todo App, and Instagram gallery. Express.js is used by a range of well-known companies such as MySpace and Storify, and it's becoming more and more likely that it'll be a required skill for new developers. With this book you can skip learning via complicated documentation, and get the information from a developer who's been using Express.js for long enough to explain things well. Add Pro Express.js to your library today.

"In this Overview of the Node.js Ecosystem training course, expert author Wes Higbee teaches you when to use Node.js in your development projects. This course is designed for users that are familiar with HTML, CSS, and JavaScript. You will start by learning about the history of Node.js and why you should use Node.js. From there, Wes will teach you about architecture, including simplified currency and callback convention. This video tutorial also covers modularity, such as modules in Node.js, CommonJS, and Node.js core modules. Finally, you

will learn about npm, including package management, using an npm package, and popular packages. Once you have completed this computer based training course, you will have learned when to use Node.js in your development projects. Working files are included, allowing you to follow along with the author throughout the lessons."--Resource description page.

Note : Pls install Google Book App https://bit.ly/1gBRywb on Android device first. Then click the ebook Free Sample, you should able to read the Free Sample & Full Version now. Wordpress Tutorial (Included Ecommerce Tutorial) (ENGLISH) - is suitable for beginner to create a normal website and Ecommerce website by using plugin available. By using free plugin available in wordpress, you are manage to create a beautiful website in cPanel even without any programming knowledge. I am recommended 50+ Plugins in this tutorial, you should able to become a good website creator by referring this eBooks. Wordpress Tutorial (Included Ecommerce Tutorial) (ENGLISH) is limited to free plugin and free version of plugin, no Pro Version of plugin will be illustrated in the tutorial. Website : http://myoptionmydestin.msahosting.net/

If you're a JavaScript developer interested in a deeper understanding of how to create and design Node.js applications, this is the book for you.

Rapid Prototyping with JS: Agile JavaScript Development is a hands-on book

which introduces you to agile JavaScript web and mobile software development using the latest cutting-edge front-end and back-end technologies including: Node.js, Backbone.js, MongoDB and others. More information at http://rpjs.co. This book was borne out of frustration. I have been in software engineering for many years, and when I started learning Node.js and Backbone.js, I learned the hard way that their official documentation and the Internet lack in quick start guides and examples. Needless to say, it was virtually impossible to find all of the tutorials for JS-related modern technologies in one place. The best way to learn is to do, right? Therefore, I've used the approach of small simple examples, i.e., quick start guides, to expose myself to the new cool tech. After I was done with the basic apps, I needed some references and organization. I started to write this manual mostly for myself, so I can understand the concepts better and refer to the samples later. Then StartupMonthly and I taught a few 2-day intensive classes on the same subject -- helping experienced developers to jump-start their careers with agile JavaScript development. The manual we used was updated and iterated many times based on the feedback received. The end result is this book. What to Expect A typical reader of RPJS should expect a collection of quick start guides, tutorials and suggestions (e.g., Git workflow). There is a lot of coding and not much theory. All the theory we cover is directly related to some of

the practical aspects, and essential for better understanding of technologies and specific approaches in dealing with them, e.g., JSONP and cross-domain calls. In addition to coding examples, the book covers virtually all setup and deployment step-by-step. You'll learn on the examples of Chat web/mobile applications starting with front-end components. There are a few versions of these applications, but by the end we'll put front-end and back-end together and deploy to the production environment. The Chat application contains all of the necessary components typical for a basic web app, and will give you enough confidence to continue developing on your own, apply for a job/promotion or build a startup! Who This Book is For The book is designed for advanced-beginner and intermediate-level web and mobile developers: somebody who has been (or still is) an expert in other languages like Ruby on Rails, PHP, Perl, Python or/and Java. The type of a developer who wants to learn more about JavaScript and Node.js related techniques for building web and mobile application prototypes fast. Our target user doesn't have time to dig through voluminous (or tiny, at the other extreme) official documentation. The goal of Rapid Prototyping with JS is not to make an expert out of a reader, but to help him/her to start building apps as soon as possible. Rapid Prototyping with JS: Agile JavaScript Development, as you can tell from the name, is about taking your idea to a functional prototype

in the form of a web or a mobile application as fast as possible. This thinking adheres to the Lean Startup30 methodology; therefore, this book would be more valuable to startup founders, but big companies' employees might also find it useful, especially if they plan to add new skills to their resumes. What This Book is Not Rapid Prototyping with JS is neither a comprehensive book on several frameworks, libraries or technologies (or just a particular one), nor a reference for all the tips and tricks of web development. Examples similar to ones in this book might be publicly available online. Even more so, if you're not familiar with fundamental programming concepts like loops, if/else statements, arrays, hashes, object and functions, you won't find them in Rapid Prototyping with JS. Copyright: bc46a3292753ffb1b1203a90608129b9