

George Omito

24 Proven One-Hour Lessons

"This is a great book to help you quickly get up and running with Node.js. It covers all aspects of the platform and guides you through creating real, production-ready applications."

—Andrew Neelands, Developer, Forward Internet Group

Sams Teach Yourself

Node.js

24
in
Hours

SAMS

Sams Teach Yourself Nodejs In 24 Hours

Phil Ballard, Michael Moncur



Sams Teach Yourself Nodejs In 24 Hours:

Sams Teach Yourself Node.js in 24 Hours George Ornbo, 2012-09-05 In just 24 sessions of one hour or less Sams Teach Yourself Node.js in 24 Hours will help you master the Node.js platform and use it to build server side applications with extraordinary speed and scalability Using this text's straightforward step by step approach you'll move from basic installation configuration and programming all the way through real time messaging between browser and server testing and deployment Every lesson and case study application builds on what you've already learned giving you a rock solid foundation for real world success Step by step instructions carefully walk you through the most common Node.js development tasks Quizzes and Exercises at the end of each chapter help you test your knowledge By the Way notes present valuable additional information related to the discussion Did You Know tips offer advice or show you easier ways to perform tasks Watch Out cautions alert you to possible problems and give you advice on how to avoid them Learn how to Create end to end applications entirely in JavaScript Master essential Node.js concepts like callbacks and quickly create your first program Create basic sites with the HTTP module and Express web framework Manage data persistence with Node.js and MongoDB Debug and test Node.js applications Deploy Node.js applications to thirdparty services such as Heroku and Nodester Build powerful real time solutions from chat servers to Twitter clients Create JSON APIs using JavaScript on the server Use core components of the Node.js API including processes child processes events buffers and streams Create and publish a Node.js module

NoSQL with MongoDB in 24 Hours, Sams Teach Yourself Brad Dayley, 2014-08-21 NoSQL database usage is growing at a stunning 50% per year as organizations discover NoSQL's potential to address even the most challenging Big Data and real time database problems Every NoSQL database is different but one is the most popular by far MongoDB Now in just 24 lessons of one hour or less you can learn how to leverage MongoDB's immense power Each short easy lesson builds on all that's come before teaching NoSQL concepts and MongoDB techniques from the ground up Sams Teach Yourself NoSQL with MongoDB in 24 Hours covers all this and much more Learning how NoSQL is different when to use it and when to use traditional RDBMSes instead Designing and implementing MongoDB databases of diverse types and sizes Storing and interacting with data via Java PHP Python and Node.js Mongoose Choosing the right NoSQL distribution model for your application Installing and configuring MongoDB Designing MongoDB data models including collections indexes and GridFS Balancing consistency performance and durability Leveraging the immense power of Map Reduce Administering monitoring securing backing up and repairing MongoDB databases Mastering advanced techniques such as sharding and replication Optimizing performance

Sams Teach Yourself JavaScript in 24 Hours Phil Ballard, Michael Moncur, 2012-11-05 Learn JavaScript in 24 Hours Covers JavaScript 1.8 Ajax and jQuery In just 24 lessons of one hour or less you can learn how to create dynamic interactive Web pages with the popular and ubiquitous JavaScript web programming language Using a straightforward step by step approach each lesson in this book clearly and carefully walks you through basic concepts and

techniques and helps you learn the essentials of JavaScript programming from the ground up Learn how to Use JavaScript to build dynamic interactive Web pages Debug scripts Create scripts that work in all browsers Work with HTML5 and CSS3 Leverage the popular jQuery library Control CSS with simple JavaScripts Add Ajax effects to your web pages Script animations and music Step by step instructions carefully walk you through the most common JavaScript programming tasks Quizzes at end of every chapter help you build and test your knowledge Interactive online exercises let you practice what you learn at the Codecademy web site with no downloads or installation needed Sams Publishing has teamed up with Codecademy the online place where anyone can learn and teach coding to provide readers of Sams Teach Yourself JavaScript in 24 Hours with an exclusive area on the Codecademy web site where you can supplement what you ve learned in this book with some fun fully interactive exercises and projects After reading a lesson in the book you can roll up your sleeves and get some hands on coding experience at codecademy com tracks teachyourself **JavaScript in 24 Hours, Sams Teach**

Yourself Phil Ballard,2015-06-04 In just 24 lessons of one hour or less Sams Teach Yourself JavaScript in 24 Hours helps you learn the fundamentals of programming using the JavaScript language Designed for beginners with no previous programming experience this book s straightforward step by step approach shows you how to use JavaScript to add a wide array of interactive features and effects to your web pages Every lesson builds on what you ve already learned giving you a rock solid foundation for real world success Step by step instructions carefully walk you through the most common JavaScript programming tasks Practical hands on examples show you how to apply what you learn Quizzes and exercises help you test your knowledge and stretch your skills Notes and tips point out shortcuts and solutions Learn how to Use JavaScript to build dynamic interactive web pages Debug scripts Create scripts that work in all browsers Write clear reliable and reusable code Use object oriented programming techniques Script with the DOM Access JSON data Work with HTML5 and CSS3 Leverage the popular jQuery library Control CSS with simple JavaScripts Read and write cookies Use some of the new ECMAScript 6 features today Get started with frameworks such as AngularJS Build browser add ons and extensions Who This Book Is For Those who have at least a basic understanding of HTML and web page design in general and want to move on to adding some extra interactivity to your pages Those who currently code in another programming language and want to see what additional capabilities JavaScript can add to your armory Someone who has never done any computer programming Browse through an HTML primer before using this book You don t need to be an HTML expert to use JavaScript but should have a basic understanding Contents at a Glance Part I First Steps with JavaScript 1 Introducing JavaScript 2 Writing Simple Scripts 3 Using Functions 4 DOM Objects and Built in Objects Part II Cooking with Code 5 Numbers and Strings 6 Arrays 7 Program Control Part III Objects 8 Object Oriented Programming 9 Scripting with the DOM 10 Meet JSON Part IV HTML5 and CSS3 11 JavaScript and HTML5 12 JavaScript and CSS 13 Introducing CSS3 Part V Using JavaScript Libraries 14 Using Libraries 15 A Closer Look at jQuery 16 The jQuery UI User Interface Library 17 Ajax with jQuery Part VI Advanced Topics 18 Reading

and Writing Cookies 19 Coming Soon to JavaScript 20 Using Frameworks 21 JavaScript Beyond the Web Page Part VII Learning the Trade 22 Good Coding Practice 23 Debugging Your Code 24 JavaScript Unit Testing Part VIII Appendices A Tools for JavaScript Development B JavaScript Quick Reference **Sams Teach Yourself AngularJS for .NET**

Developers in 24 Hours Dennis Sheppard, Christopher Miller, A. J. Liptak, 2015-10-19 Provides step by step lessons for Net developers on the common questions issues and tasks in AngularJS covering such topics as JavaScript patterns modules controllers data binding built in directives and custom directives **Interactive Collaborative Learning** Michael E.

Auer, David Guralnick, James Uhomoibhi, 2016-12-31 This book presents the proceedings of the 19th International Conference on Interactive Collaborative Learning held 21-23 September 2016 at Clayton Hotel in Belfast UK We are currently witnessing a significant transformation in the development of education The impact of globalisation on all areas of human life the exponential acceleration of developments in both technology and the global markets and the growing need for flexibility and agility are essential and challenging elements of this process that have to be addressed in general but especially in the context of engineering education To face these topical and very real challenges higher education is called upon to find innovative responses Since being founded in 1998 this conference has consistently been devoted to finding new approaches to learning with a focus on collaborative learning Today the ICL conferences have established themselves as a vital forum for the exchange of information on key trends and findings and of practical lessons learned while developing and testing elements of new technologies and pedagogies in learning **Meteor Programming in 24 Hours, Sams Teach Yourself**

Stephen O'Brien, With Meteor you can build powerful web and mobile apps stunningly fast including the apps that drive tomorrow's winning cloud based businesses Now in just 24 lessons of one hour or less you can learn all the skills and techniques you'll need Each short easy lesson in Meteor in 24 hours Sams Teach Yourself builds on all that's come before You'll learn all of Meteor's capabilities as you craft three powerful apps packed with code you'll actually want to reuse Twitter Mapper A web app that plots geolocation data from tweets in real time on a world map and lets you filter them by those you follow or by hashtag A complete bulletin board system with profiles groups OAuth support for signup through social networks messaging and chat rooms A stock portfolio manager with charting market quote integration reporting and a complete dashboard Stephen O'Brien reviews the basics of JavaScript within Meteor's framework and then shifts to CoffeeScript to take advantage of its exceptionally readable syntax Similarly you'll review all you need to know about CSS and then switch to Sass the world's most popular and powerful CSS pre processor As you work you'll master techniques including fully responsive design effective source code management unit testing cloud hosting the use of pre built packages to save time and much more Setting up your Meteor IDE and getting started fast Programming Meteor like a pro from the very beginning Extending Meteor packages to get instant gratification Linking to Twitter's API Building modern user interfaces Manipulating and securing data Integrating social features into your web apps Adding dashboards interactive charts and

advanced visualizations Improving security passwords hashes salts and browser policy lockdown Step by step instructions walk you through common questions issues and tasks Q and As Quizzes and Exercises build and test your knowled Did You Know tips offer insider advice and shortcuts and Watch Out alerts help you avoid pitfalls By the time you re finished you ll be comfortable building virtually anything with Meteor including apps that create high profit cloud based businesses

Angular and Deep Learning Pocket Primer Oswald Campesato,2020-10-27 No detailed description available for Angular and Deep Learning Pocket Primer AngularJS for .NET Developers in 24 Hours, Sams Teach Yourself Dennis Sheppard,Christopher Miller,AJ Liptak,2015-10-19 In just 24 sessions of one hour or less you will be up and running with AngularJS in your Microsoft NET environment Using a straightforward step by step approach each lesson builds on your NET skills and knowledge helping you quickly learn the essentials of AngularJS and use it to streamline any web development project Step by step instructions carefully walk you through the most common questions issues and tasks Q A sections quizzes and exercises help you build and test your knowledge By The Way notes present interesting pieces of information Try it Yourself sidebars offer advice or teach an easier way to do something Watch Out cautions advise you about potential problems and help you steer clear of disaster Dennis Sheppard is a Front End Architect at NextTier Education in Chicago IL He has delivered enterprise solutions for the private equity insurance healthcare education and distribution industries Christopher Miller is an Architect at West Monroe Partners He has built solutions for the higher education private equity and renewable energy industries AJ Liptak is a Senior Consultant at West Monroe Partners specializing in modern web application development He has delivered transformative solutions for the telecom healthcare finance and distribution industries Learn how to Build AngularJS web apps from scratch or integrate with existing NET code Organize reuse and test JavaScript web application code far more effectively Discover key JavaScript design patterns that support AngularJS and their similarities to C Use AngularJS modules controllers views data binding and event handling Implement AngularJS services efficiently Work with directives custom directives and dependency injection Set up AngularJS routing Apply best practices for organizing AngularJS applications Master sophisticated AngularJS techniques including filters advanced patterns and communication between controllers Deploy AngularJS code to the Microsoft Azure cloud Unit test and debug your single page applications Integrate AngularJS with NET Web Forms and NET MVC Build REST APIs in NET and consume their services in AngularJS Combine AngularJS with NET SignalR to build real time web apps Extend AngularJS development with bower gulp and webstorm Preview the future of AngularJS Version 2 0 and beyond Human Aspects of IT for the Aged Population. Healthy and Active Aging Qin Gao,Jia Zhou,2020-07-10 This three volume set of LNCS 12207 12208 and 12209 constitutes the refereed proceedings of the 6th International Conference on Human Aspects of IT for the Aged Population ITAP 2020 held as part of the 22nd International Conference HCI International 2020 which took place in Copenhagen Denmark in July 2020 The conference was held virtually due to the COVID 19 pandemic The total of 1439 papers

and 238 posters have been accepted for publication in the HCII 2020 proceedings from a total of 6326 submissions ITAP 2020 includes a total of 104 regular papers which are organized in topical sections named Involving Older Adults in HCI Methodology User Experience and Aging Aging and Mobile and Wearable Devices Health and Rehabilitation Technologies Well being Persuasion Health Education and Cognitive Support Aging in Place Cultural and Entertainment Experiences for Older Adults Aging and Social Media Technology Acceptance and Societal Impact

Learn NodeJS in 24 Hours Alex Nordeen, 2020-10-31 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

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Python 4 When to use Node js 5 When to use Python [Node.js, MongoDB, and AngularJS Web Development](#) Brad Dayley,2014-06-05 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 [Learning Node.js Development](#) Andrew Mead,2018-01-31 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 [Learning Node.js](#) Marc Wandschneider,2013-06-20 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

NODE. JS in 8 Hours, for Beginners, Learn Coding Fast! Ray Yao,2020-09-03 About this book Absolutely for Beginners Node js in 8 Hours covers all essential Node js language knowledge You can learn complete primary skills of Node js programming fast and easily The book includes more than 60 practical examples for beginners and includes tests you can download the source code for better study or copy the source code to your favorite editor to test the programs Table of Contents Hour 1 Node Js Introduction Node Js Installation Hour 2 Node Js Function Imbedded Function Hour 3 EventEmitter Examples Error Event Hour 4 Write to Buffer Read from Buffer Hour 5 File Stream Read Stream Hour 6 Open a File File Status Hour 7 Create a Directory Read a Directory Hour 8 OS Module Path Module Appendix Test Answers Source Code for Download

Learning Node. Js for . NET Developers Harry Cummings,2016-06-24 Solve practical real world problems using JavaScript and Node jsAbout This Book Learn the concepts of Node js to gain a high level understanding of the Node js execution model Build an interactive web application with MongoDB and Redis and create your own JavaScript modules that work both on the client side and server side Familiarize yourself with the new features of Node js and JavaScript with this exclusive step by step guideWho This Book Is ForThis book is for developers who want to learn JavaScript and Node js Previous experience with programming is desired but no JavaScript or Node js knowledge is required The book focuses mostly on web development such as networking serving dynamic pages and real time client server communication What You Will Learn Understand which problems Node js best solves Write idiomatic JavaScript and Node js code Build web applications and command line tools Minimise complexity and efficiently solve difficult problems Test and deploy Node js applications Work with persistent data Implement real time client

server applications Integrate NET and Node js codeIn DetailNode js is an open source cross platform runtime environment that allows you to use JavaScript to develop server side web applications This short guide will help you develop applications using JavaScript and Node js leverage your existing programming skills from NET or Java and make the most of these other platforms through understanding the Node js programming model You will learn how to build web applications and APIs in Node discover packages in the Node js ecosystem test and deploy your Node js code and more Finally you will discover how to integrate Node js and NET code Style and approachThis is a step by step and practical guide to Node js for Net developers It covers the fundamentals relating to typical applications The focus is on providing the practical skills required to develop applications with a summary of the key concepts covered

Learn Node. Js by Building 6 Projects Eduonix Learning Solutions,2018-03-30 This is an advanced practical guide to harnessing the power of Node js by creating 6 full scale real world projects from creating a chat application to an eLearning system Key Features Develop scalable and lightweight applications using Node js Learn how to interface Node js with other popular technologies such as MongoDB MySQL and more Your companion to master the Node ecosystem through six real world projects Book Description With its event driven architecture and efficient web services capabilities more and more companies are building their entire infrastructure around Node js Node has become a de facto part of web development that any serious developer needs to master This book includes six Node js projects that gradually increase in complexity You ll start by building a simple web server and create a basic website You will then move to create the login system blog system chat system and e learning system By creating and following the example projects in this book you ll improve your Node js skills through practical working projects and you ll learn how to use Node js with many other useful technologies such as ExpressJS Kickstart and Heroku What you will learn Create powerful applications using Node js Build scalable and lightweight web applications Use the Express Framework to build web applications Understand the coding principles behind practical web applications Understand the concepts of network programming Use Node js with other technologies including Kickstart and Heroku Use Node with database technologies Cassandra and MongoDB Who this book is for If you are a web developer or a student who wants to learn about Node js in a hands on manner this book will be perfect for you A basic understanding of HTML JavaScript and some front end programming experience is required

Advanced Node.js Development Andrew Mead,2018-03-30 Takes you through creating your own API building a full real time web app securing your Node systems and practical applications of the latest Async and Await technologies It maps out everything in a comprehensive easy to follow package designed to get you up and running quickly Key Features Entirely project based and practical Explains the why of Node js features not just the how providing 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 MongoDB version control with Git and many more Book Description Advanced Node js Development is a practical project based book that provides you with all you need to progress as a Node js developer Node is

a ubiquitous technology on the modern web and an essential part of any web developer's toolkit. If you're 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 was written around a single goal: turning you into a professional Node developer capable of developing, testing, and deploying real world production applications. There's no better time to dive in. According to the 2018 Stack Overflow Survey, Node is in the top ten for back end popularity and back end salary. This book 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 delivers advanced skills that you need to become a professional Node developer. Along this journey, you'll create your own API, you'll build a full real time web app, and create projects that apply the latest Async and Await technologies. Andrew Mead maps everything out for you in this book so that you can learn how to build powerful Node.js projects in a comprehensive, easy-to-follow package designed to get you up and running quickly. What you will learn:

- Develop, test, and deploy real world Node.js applications.
- Master Node.js by building practical, working examples.
- Use awesome third party Node modules such as MongoDB, Mongoose, Socket.io, and Express.
- Create real time web applications.
- Explore async and await in ES7.

Who this book is for: This book is for 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 book. This book follows directly on from *Learning Node.js Development* but more advanced readers can benefit from this book without having read the first part.

Learning Node, 2nd Edition Shelley Powers, 2016

Node.js Complete Reference Guide Valentin Bojinov, David Herron, Diogo Resende, 2018-12-18

Node.js Complete Reference Guide is your one stop solution to building highly scalable, single language applications that share code between the server and client. Key Features:

- Explore the latest JavaScript features and EcmaScript modules.
- Walk through different stages of developing robust applications using Node.js 10.
- Create rich and scalable RESTful API solutions from scratch.

Book Description: Node.js Complete Reference Guide takes you through rudimentary knowledge of JavaScript and server side development to create, maintain, deploy, and test your own Node.js applications. You will begin by learning how to use the HTTP Server and Client objects, store data with both SQL and MongoDB databases, and unit test applications with Mocha 5.x and functionally test them with Puppeteer 1.1.x. Then you will learn to create scalable and rich RESTful applications on the Node.js platform and write a simple HTTP request handler with self-descriptive URLs. You will learn to set accurate HTTP status codes, study how to keep your applications backward compatible, and explore some authentication techniques to secure your application. Then you will study how Node.js has emerged as a strong candidate for developing microservices. With this Learning Path, you will be able to use the best practices and create efficient microservices. This Learning Path includes content from the following Packt products:

- RESTful Web API Design with Node.js 10 Third Edition by Valentin Bojinov
- Node.js Web Development Fourth Edition by David Herron
- Hands On Microservices with Node.js by Diogo Resende

What you will learn: Work with REST service development using the

Restify framework Use data storage engines such as MySQL SQLITE3 and MongoDB in apps Apply user authentication methods with OAuth2 Perform real time communication with the front end using Socket IO Implement Docker microservices in development testing and deployment Perform unit testing with Mocha 5 x and functional testing with Puppeteer 1 1 x Use self descriptive URLs and set accurate HTTP status codes Deploy a cloud native microservice to an online provider Who this book is for Node js Complete Reference Guide is designed for web developers who have a rudimentary understanding of JavaScript and web application development are keen to enrich their development skills to create RESTful applications and want utilize their skills to build microservices

Delve into the emotional tapestry woven by Crafted by in Dive into the Emotion of **Sams Teach Yourself Nodejs In 24 Hours** . This ebook, available for download in a PDF format (Download in PDF: *), is more than just words on a page; itis a journey of connection and profound emotion. Immerse yourself in narratives that tug at your heartstrings. Download now to experience the pulse of each page and let your emotions run wild.

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