Node Js Creare Applicazioni Web In Javascript

This book is designed for 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.

IBM® Hybrid Integration Services is a set of hybrid cloud capabilities in IBM BluemixTM that allows businesses to innovate rapidly while, at the same time, providing IT control and visibility. It allows customers to quickly and easily build and operate systems that mix data and application programming interfaces (APIs) from a wide variety of sources, whether they reside on-premises or in the cloud. In many cases, you want to expose your IT assets from your private cloud as APIs and at the same time have best overall manageability and control of who uses your assets and how. Bluemix provides a set of services such as Secure Gateway, API Management, Connect and Compose, DataWorks, and API Catalog, which enable Hybrid Cloud Integration capabilities. This IBM Redbooks® publication provides preferred practices around developing cloud solutions using these Hybrid Integration Services that help you maintain data consistency, manageability, and security for critical transactions.

Imparate come creare un'ampia gamma di applicazioni web reali e scalabili usando un toolkit di sviluppo professionale. Se già conoscete le basi di Node.js, ora è

giunto il momento per scoprire come portarle a livello di produzione, avvalendovi del vasto ecosistema di package. Grazie a questo libro lavorerete con un'ampia collezione di standard e framework, e scoprirete come questi elementi possono vivere tutti insieme. Questo volume vi guida dall'installazione di tutti i moduli necessari alla scrittura di applicazioni web full-stack. Sfrutterete la potenza dei framework Express.js e Hapi, oltre al database MongoDB con Mongoskin e Mongoose. Lavorerete con i template engine Pug e Handlebars, i linguaggi Stylus e LESS CSS, le librerie OAuth ed Everyauth, oltre a Socket.IO e Derby, analizzando tutto ciò che serve. Node.js. Guida per lo sviluppatore è interamente aggiornato per ES6/ES2015 e spiega anche come eseguire il deployment su Heroku e AWS, come demonizzare le app e scrivere API REST. Creerete applicazioni full-stack reali e funzionanti, a partire da zero, e scoprirete come scrivere i vostri moduli Node.js, oltre a come pubblicarli su npm.

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.

Discover solutions, techniques, and best practices for server-side web development with Node.js 14, 4th Edition

The Art of WebAssembly

Pro MEAN Stack Development

Build Secure, Portable, High-Performance Applications

Single Page Web Applications

Advanced Node.js Development

Learn the fundamentals of Node.js, and deploy and test Node.js applications on the web

Create real-time server-side applications with this practical, step-by-step guide About This Book Learn

about server-side JavaScript with Node.js and Node modules through the most up-to-date book on Node.js development Understand website development both with and without the Connect/Express web application framework Develop both HTTP server and client applications Who This Book Is For This book is for anybody looking for an alternative to the "P" languages (Perl, PHP, and Python), or anyone looking for a new paradigm of server-side application development. You should have at least a rudimentary understanding of JavaScript and web application development. What You Will Learn Install and use Node.js for both development and deployment Use the Express application framework Configure Bootstrap for mobile-first theming Use data storage engines such as MySQL, SQLITE3, and MongoDB Understand user authentication methods, including OAuth, with third-party services Deploy Node.js to live servers, including microservice development with Docker Perform unit testing with Mocha Perform functional testing of the web application with CasperJS Detail Node.js is a server-side JavaScript platform using an event driven, non-blocking I/O model allowing users to build fast and scalable data-intensive applications running in real time. Node.js Web Development shows JavaScript is not just for browser-side applications. It can be used for server-side web application development, real-time applications, microservices, and much more. This book gives you an excellent starting point, bringing you straight to the heart of developing web applications with

Node.js. You will progress from a rudimentary knowledg
of JavaScript and server-side development to being abl
to create and maintain your own Node.js application.
With this book you'll learn how to use the HTTP Server
and Client objects, data storage with both SQL and
MongoDB databases, real-time applications with
Socket.IO, mobile-first theming with Bootstrap,
microservice deployment with Docker, authenticating
against third-party services using OAuth, and much mo
Style and Approach This book is a practical guide for
anyone looking to develop striking and robust web
applications using Node.js.

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
the time to discover how to bring it to production leve
leveraging its vast ecosystem of packages.With this bo
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 application
You'll harness the power of the Express.js and Hapi
frameworks, the MongoDB database with Mongoskin a
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 als
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 professional environment.

Design and implement scalable and maintainable RESTful solutions with Node.js 10 Key Features Create rich and scalable RESTful API solutions from scratch Explore the new features of Node.js 10, Express 4.0, and MongoDB Integrate MongoDB in your Node.js application to store and secure your data Book Description When building RESTful services, it is really important to choose the right framework. Node.js, with its asynchronous, event-driven architecture, is exactly the right choice for building RESTful APIs. This third edition of RESTful Web API Design with Node.js 10 will teach you to create scalable and rich RESTful applications based on the Node.js platform. You will be introduced to the latest NPM package handler and understand how to use it to

customize your RESTful development process. You will begin by understanding the key principle that makes an HTTP application a RESTful-enabled application. After writing a simple HTTP request handler, you will create and test Node.js modules using automated tests and m objects; explore using the NoSQL database, MongoDB, t store data; and get to grips with using self-descriptive URLs. You'll learn to set accurate HTTP status codes along with understanding how to keep your application backward-compatible. Also, while implementing a full-fledged RESTful service, you will use Swagger to document the API and implement automation tests for REST-enabled endpoint with Mocha. Lastly, you will explore some authentication techniques to secure your application. What you will learn Install, develop, and test your own Node.js user modules Understand the differences between HTTP and RESTful applications Use self-descriptive URLs and set accurate HTTP status cod Eliminate third-party dependencies in your tests with mocking Implement automation tests for a REST-enable endpoint with Mocha Secure your services with NoSQL database integration within Node.js applications Integra a simple frontend using JavaScript libraries available on a CDN server Who this book is for If you are a web developer keen to enrich your development skills to cre server-side RESTful applications based on the Node.js platform, this book is for you. Some knowledge of REST would be an added advantage, but is definitely not a necessity.

Summary In Single Page Web Applications you'll learn to build modern browser-based apps that take advantage stronger client platforms and more predictable bandwidth. You'll learn the SPA design approach, and then start exploring new techniques like structured JavaScript and responsive design. And you'll learn how capitalize on trends like server-side JavaScript and NoSQL data stores, as well as new frameworks that m JavaScript more manageable and testable as a first-clas language. About this Book If your website is a jumpy collection of linked pages, you are behind. Single page web applications are your next step: pushing UI rendering and business logic to the browser and communicating with the server only to synchronize dat they provide a smooth user experience, much like a nat application. But, SPAs can be hard to develop, manage, and test. Single Page Web Applications shows how you team can easily design, test, maintain, and extend sophisticated SPAs using JavaScript end-to-end, withou getting locked into a framework. Along the way, you'll develop advanced HTML5, CSS3, and JavaScript skills, and use JavaScript as the language of the web server the database. This book assumes basic knowledge of w development. No experience with SPAs is required. Purchase of the print book includes a free eBook in PD Kindle, and ePub formats from Manning Publications. What's Inside Design, build, and test a full-stack SPA Be in-class tools like jQuery, TaffyDB, Node.js, and MongoDB Real-time web with web sockets and Socket

Touch controls for tablets and smartphones Common S
design mistakes About the Authors The authors are
architects and engineering managers. Michael Mikowsk
has worked on many commercial SPAs and a platform
that processes over 1OO billion requests per year. Josh
Powell has built some of the most heavily trafficked sit
on the web. Table of Contents PART 1: INTRODUCING
SPAS Our first single page application Reintroducing
JavaScript PART 2: SPA CLIENT Develop the Shell Add
feature modules Build the Model Finish the Model and
Data modules PART 3: THE SPA SERVER The web
server The server database Readying our SPA for
production

Building Production-ready Web Apps with Node.js
Learning Node
JavaScript Everywhere
A Hands-on Guide to Building Online Games Using
Canvas, SVG, and WebGL
Master Node.js by building real-world applications
Node.js. Creare applicazioni web in JavaScript
Pro JavaScript for Web Apps

A a thorough, practice-based introduction to
WebAssembly. Learn how to create high-performing,
lightning-fast websites and applications. WebAssembly
is the fast, compact, portable technology that optimizes
the performance of resource-intensive web applications
and programs. The Art of WebAssembly is designed to
give web developers a solid understanding of how it
works, when to use it (and when not to), and how to
develop and deploy WebAssembly apps. First you'll

learn how to optimize and compile low-level code, debug and evaluate WebAssembly, and represent WebAssembly in the human-readable WebAssembly Text (WAT) format. Once you have the basics down, you'll build a browser-based collision detection program, work with browser rendering technologies to create graphics and animations, and see how WebAssembly interacts with other web languages. You'll also learn how to: • Embed WebAssembly applications in web browsers and Node.js • Use browser debuggers to evaluate your WebAssembly code • Format variables, loops, functions, strings, data structures, and conditional logic in WAT • Manipulate memory • Build a program that generates graphical objects and detects when they collide • Evaluate the output of a WebAssembly compiler The Art of WebAssembly will help you make sense of this powerful technology to boost the performance of your web applications.

JavaScript is the engine behind every web app, and a solid knowledge of it is essential for all modern web developers. Pro JavaScript for Web Apps gives you all of the information that you need to create professional, optimized, and efficient JavaScript applications that will run across all devices. It takes you through all aspects of modern JavaScript application creation, showing you how to combine JavaScript with the new features of HTML5 and CSS3 to make the most of the new web technologies. The focus of the book is on creating professional web applications, ensuring that your app provides the best experience for your users, with smooth and responsive control and feedback and an intuitive and optimized interface. You will learn how to take a basic application and bring it up to a professional level while making sure that it remains bullet-proof and bug free. Pro

JavaScript for Web Apps will also enhance your development workflow using jQuery to streamline the process and freeing you to spend more time on the important parts of your app while the framework deals with the mundanity. The best app experiences are a combination of a beautiful idea with flawless execution. If you have the ideas, Pro JavaScript for Web Apps will help you craft them into a phenomenal app.
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.
Since it's creation in 2009, Node.js has grown into a

powerful and increasingly popular asynchronous-development framework for creating highly-scalable network applications using JavaScript. Respected companies such as Dow Jones and LinkedIn are among the many organizations to have seen Node's potential and adopted it into their businesses. Pro Node.js for Developers provides a comprehensive guide to this exciting new technology. We introduce you to Node – what it is, why it matters and how to set it up – before diving deeply into the key concepts and APIs that underpin its operation. Building upon your existing JavaScript skills you'll be shown how to use Node.js to build both Web- and Network-based applications, to deal with data sources, capture events and deal with child processes to create robust applications that will work well in a wide range of circumstances. Once you've mastered these skills we'll go further, teaching you more advanced software engineering skills that will give your code a professional edge. You'll learn how to create easily reusable modules that will save you time through code reuse, to log and debug your applications quickly and effectively and to write code that will scale easily and reliably as the demand for your application grows.
Express.js Guide
Building Real-World Scalable Web Apps
A Practitioner's Approach to produce Scalable, High-performant, and Flexible Web Components (English Edition)
CICD Implementation for Mobile, Hybrid, and Web Applications Using Azure DevOps and Microsoft Azure
Learning HTML5 Game Programming
React Cookbook
Design and develop scalable RESTful APIs for your applications

Node.js è un potente framework che permette di sfruttare V8, l'interprete JavaScript di Google, per creare applicazioni web e di rete veloci, compatte e affidabili. Elegante e facile da utilizzare, Node.js sta rapidamente guadagnando popolarità tra gli sviluppatori di tutto il mondo. Questa guida riunisce le conoscenze necessarie a utilizzare Node.js per costruire applicazioni lato server robuste e scalabili. Si parte dall'installazione ed esecuzione di Node.js per passare subito a realizzare la prima applicazione. Gettate le basi, vengono esaminati i moduli disponibili per scrivere applicazioni più complesse in grado di ottimizzare la gestione di server web e database. Infine vengono presentate funzionalità avanzate, come i sistemi con cui eseguire le applicazioni in server di produzione, testare il codice e perfino utilizzare Node.js per realizzare utility da riga di comando. This powerful new book introduces cross-platform app design as an excellent starting point for mastering app development. The book contains numerous applications that can be adapted to different projects. The book introduces HTML5, CSS3, JavaScript, jQuery Mobile, Node.js, JSON, localStorage, sessionStorage, NoSQL using MongoDB, SQL using MySQL, templating using handlebars, and maps. A strong app-centric view emphasizes appropriate subsets of these technologies to help readers develop non-trivial apps. While apps continue to evolve and change, the technologies presented form the backbone of future cross-platform app development. Readers learn to work with all major mobile and web platforms using the book's active learning approach that has users type code in parallel as apps are developed.

Exercises further encourage readers to make changes to the code and evaluate resulting app behavior. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Conversation as an interface is the best way for machines to interact with us using the universally accepted human tool that is language. Chatbots and voice user interfaces are two flavors of conversational UIs. Chatbots are real-time, data-driven answer engines that talk in natural language and are context-aware. Voice user interfaces are ...

Get Started Fast with HTML5 Online Game Programming! HTML5 will transform web and mobile gaming. As new browsers rapidly adopt it, HTML5 will do everything "legacy" technologies such as Flash and Silverlight have done—and much more. In Learning HTML5 Game Programming, pioneering developer James L. Williams gives you all the knowledge, code, and insights you'll need to get started fast! Williams combines detailed explanations of HTML5's key innovations with examples, including two case study applications that address the entire development process. He guides you through setting up a state-of-the-art HTML5 development environment; making the most of HTML5's canvas tag, SVG vector graphics, and WebGL 3D; and targeting diverse mobile and social platforms. It's all here: from the essentials of online game design to the nitty-gritty details of performance optimization. About the Website All code samples and answers to chapter exercises are available for download at www.informit.com/title/9780321767363

and on Github at https://github.com/jwill/html5-game-book.
Coverage includes · Understanding the HTML5
innovations that make it possible to create amazingly rich
games · Setting up a state-of-the-art open source HTML5
game development environment · Using JavaScript to
drive sophisticated interactions between users and games
· Building basic games fast, with the prototype-based
Simple Game Framework (SGF) · Generating movement
and gameplay with the canvas tag and surface · Creating
games with SVG vector graphics using the RaphaëlJS
Javascript library · Using Three.js to build powerful
WebGL 3D games with far less complexity · Developing
games without JavaScript, using Google Web Toolkit
(GWT) or CoffeeScript · Building a complete multiplayer
game server using Node.js and WebSockets · Planning
and choosing tools for mobile game development with
HTML5 · Optimizing game performance with offline cache,
minification, and other techniques Learning HTML5 Game
Programming is the fastest route to success with HTML5
game development—whether you're a long-time game
developer or a web/mobile programmer building games for
the first time.
Building Cross-Platform Mobile and Web Apps for
Engineers and Scientists: An Active Learning Approach
Node.js in Action
Hands-On Data Structures and Algorithms with JavaScript
Hands-On Full-Stack Web Development with GraphQL
and React
Learn to create robust RESTful web services with Node.js,
MongoDB, and Express.js, 3rd Edition
JavaScript end-to-end

9 Practical Node.js Projects

Take your web development skills from browser to server with Node—and learn how to write fast, highly scalable network applications on this JavaScript-based platform. Updated for the latest Node Long Term Support (LTS) and Node Current (6.0) releases, this hands-on edition helps you master Node's core fundamentals and gain experience with several built-in and contributed modules. Get up to speed on Node's event-driven, asynchronous I/O model for developing data-intensive applications that are frequently accessed but computationally simple. If you're comfortable working with JavaScript, this book provides many programming and deployment examples to help you take advantage of server-side development with Node. Explore the frameworks and functionality for full-stack Node development Dive into Node's module system and package management support Test your application or module code on the fly with Node's REPL console Use core Node modules to build web applications and an HTTP server Learn Node's support for networks, security, and sockets Access operating system functionality with child processes Learn tools and techniques for Node development and production Use Node

in microcontrollers, microcomputers, and the Internet of Things
Node.js Recipes is your one-stop reference for solving Node.js problems. Filled with useful recipes that follow a problem/solution format, you can look up recipes for many situations that you may come across in your day-to-day server-side development. Node.js is accessible to those who not only relish in server-side programming but also web developers who understand the ubiquitous language of the web. Node.js Recipes covers all the essential ingredients required to become a seasoned Node.js developer in no time - make it your indispensable reference today. What you'll learn Learn Node.js's beginnings and what problems it addresses Build an understanding of Node.js's native capabilities Create servers that communicate via TCP/IP, HTTP, and HTTPS Understand and implement test-driven development practices Successfully work with FileSystem, events, and child processes Create a WebSocket server, use Socket.io, and frameworks such as ExpressJS and Yahoo! Mojito Connect to a DataStore using Mongoose, MongoDB, MySQL and CouchDB Implement security and cryptography using HMAC and TLS Test synchronous and asynchronous code, and

build a full test suite Debug and deploy your application to Heroku, Nodejitsu and Windows Azure Use Amazon Web Services to successfully host your Node.js application Who this book is for Node.js Recipes is for the reader who has some familiarity with JavaScript. They may have experience writing server-side JavaScript, but would like to get a more sound understanding of the capabilities that Node.js holds. This book will give them recipes enabling them to hone their JavaScript skills in a way that will harness Node.js and help them wrangle JavaScript on the server. Table of Contents Understanding Node.js Networking with Node.js Working with the FileSystem Building a Web Server Using Events and Child Processes Implementing Security and Cryptography Discovering Other Node.js Modules Creating a WebSocket Server Using Web Server Frameworks Connecting to a DataStore Testing in Node.js Debugging and Deploying your Application
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'll take a look at a selection of the related tools and skills that will make you a much more productive Node developer. It contains: Installing Multiple Versions of Node.js Using nvm A Beginner's Guide to npm Create New Express.js Apps in Minutes with Express Generator An Introduction to AdonisJs, a Laravel-like Node.js Framework Top 5 Developer-friendly Node.js API Frameworks Using MySQL with Node.js and the mysql JavaScript Client Introduction to MongoDB

A step-by-step guide to implementing Continuous Integration and Continuous Delivery for Mobile, Hybrid, and Web applications KEY FEATURES - This book covers all these practices that can be utilized in real-life scenarios with sample applications written in Java, Android, iOS, Node.js, Angular, Ionic Cordova, Xamarin, Python, and PHP. - This book provides detailed insight into Microsoft Azure Cloud, especially Platform as a Service Model - Azure App Services. - This book utilizes the Multi-Stage Pipeline Feature of Azure DevOps. Step by Step implementation of Continuous Practices of DevOps makes it easy to understand even for beginners of

DevOps practices. DESCRIPTION This book will cover an approach that includes the understanding of DevOps, Assessment of AS-IS state, DevOps Practices Implementation and measurement of success. The main objective is to demonstrate Continuous Practices of DevOps Culture using Microsoft Azure DevOps and Microsoft Azure Cloud across different types of applications such as Mobile apps, Hybrid Mobile App, and Web applications. The main idea is to have a uniform approach across different types of applications such as Mobile apps, Hybrid Mobile App, and Web applications. It is important to have a uniform approach of DevOps Practices implementation in an application written in different programming languages such as Java, Android, iOS, Node.js, Angular, Ionic Cordova, Xamarin, Python, and PHP. WHAT WILL YOU LEARN - Learn to create a Multi-Stage (CICD) Pipeline for sample applications - Configure Unit Test Execution and Code Coverage Reports in Azure DevOps for sample applications - Create and configure Cloud resources using Platform as a Service Model - Azure App Services for Web Applications and deploy Web Applications to Azure App Services using Pipeline - Understand how to distribute Mobile App Packages (APK and IPA) to App

Center WHO THIS BOOK IS FOR This book is suitable for DevOps Consultants, DevOps Evangelists, DevOps Engineers, Technical Specialists, Technical Architects, Cloud Experts, and Beginners. TABLE OF CONTENTS 1. Overview of DevOps Practices 2. DevOps Assessment – Measure the "AS-IS" Maturity 3. DevOps Practices Implementation for Android App – Azure DevOps Pipelines 4. DevOps Practices Implementation for iOS App – Azure DevOps Pipelines 5. DevOps Practices Implementation for Native Apps using App Center 6. DevOps Practices Implementation for Java App – Azure DevOps Pipelines 7. DevOps Practices Implementation for Node.js Apps – Azure DevOps Pipelines 8. DevOps Practices Implementation for Angular App – Azure DevOps Pipelines 9. DevOps Practices Implementation for Python and, PHP – Azure DevOps Pipelines 10. DevOps Practices Implementation for Hybrid Mobile App (Ionic and Xamarin) – Azure DevOps Pipeline 11. Azure DevOps Best Practices 12. Measure Benefits of DevOps Practices Implementations Moving to the Server-Side Node Cookbook How To Code in Node.js Build chatbots and voice user interfaces with Chatfuel, Dialogflow, Microsoft Bot

Framework, Twilio, and Alexa Skills
Pro Node.js for Developers
Sviluppare applicazioni web con React.js Node.js

Beginning Node.js is your step-by-step guide to learning all the aspects of creating maintainable Node.js applications. You will see how Node.js is focused on creating high-performing, highly-scalable websites, and how easy it is to get started. Many front-end devs regularly work with HTML, CSS, PHP, even WordPress, but haven't yet got started with Node.js. This book explains everything for you from a beginner level, enabling you to start using Node.js in your projects right away. Using this book you will learn important Node.js concepts for server-side programming. You will begin with an easy-to-follow pure JavaScript primer, which you can skip if you're confident of your JS skills. You'll then delve into Node.js concepts such as streams and events, and the technology involved in building full-stack Node.js applications. You'll also learn how to test your Node.js code, and deploy your Node.js applications on the internet. Node.js is a great and simple platform to work with. It is lightweight, easy to deploy and manage. You will see how using Node.js can be a fun and rewarding experience - start today with Beginning Node.js.

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.

Develop intelligent voice-empowered applications and Chatbots that not only understand voice commands but also respond to it Key Features Target multiple platforms by creating voice interactions for your applications Explore real-world examples of how to produce smart and practical

virtual assistants Build a virtual assistant for cars using Android Auto in Xamarin Book Description From touchscreen and mouse-click, we are moving to voice- and conversation-based user interfaces. By adopting Voice User Interfaces (VUIs), you can create a more compelling and engaging experience for your users. Voice User Interface Projects teaches you how to develop voice-enabled applications for desktop, mobile, and Internet of Things (IoT) devices. This book explains in detail VUI and its importance, basic design principles of VUI, fundamentals of conversation, and the different voice-enabled applications available in the market. You will learn how to build your first voice-enabled application by utilizing DialogFlow and Alexa's natural language processing (NLP) platform. Once you are comfortable with building voice-enabled applications, you will understand how to dynamically process and respond to the questions by using NodeJS server deployed to the cloud. You will then move on to securing NodeJS RESTful API for DialogFlow and Alexa webhooks, creating unit tests and building voice-enabled podcasts for cars. Last but not the least you will discover advanced topics such as handling sessions, creating custom intents, and extending built-in intents in order to build conversational VUIs that will help engage the users. By the end of the book, you will have grasped a thorough knowledge of how to design and develop

interactive VUIs. What you will learn Understand NLP platforms with machine learning Exploit best practices and user experiences in creating VUI Build voice-enabled chatbots Host, secure, and test in a cloud platform Create voice-enabled applications for personal digital assistant devices Develop a virtual assistant for cars Who this book is for Voice User Interface Projects is for you if you are a software engineer who wants to develop voice-enabled applications for your personal digital assistant devices such as Amazon Echo and Google Home, along with your car's virtual assistant systems. Some experience with JavaScript is required.

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.

Create dynamic web apps with React using Redux, Webpack, Node.js, and GraphQL

Beginning Node.js

Sams Teach Yourself Node.js in 24 Hours

Web Development with MongoDB and Node.js

Hands-On RESTful Web Services with TypeScript 3

Hands-On Chatbots and Conversational UI Development

RESTful Web API Design with Node.js 10, Third Edition

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.
Many companies, from startups to Fortune 500 companies alike, use Node.js to build performant backend services. And engineers love Node.js for its approachable API and familiar syntax. Backed by the world's largest package repository, Node's enterprise foothold is only expected to grow. In this hands-on guide, author Thomas Hunter II proves that Node.js is just as capable as traditional enterprise platforms for building services that are observable, scalable, and resilient. Intermediate to advanced Node.js developers will find themselves integrating application code with a breadth of tooling from each layer of a modern service stack. Learn why running redundant copies of the same Node.js service is necessary Know which protocol to choose, depending on the situation Fine-tune your application containers for use in production Track down errors in a distributed setting to determine which service is at fault Simplify app code and increase performance by offloading work to a reverse proxy Build dashboards to monitor service health and throughput Find out why so many different tools are required when operating in an enterprise environment Summary Node.js in Action, Second Edition is a thoroughly revised book based on the best-selling first edition. It starts at square one and

guides you through all the features, techniques, and concepts you'll need to build production-quality Node applications. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology You already know JavaScript. The trick to mastering Node.js is learning how to build applications that fully exploit its powerful asynchronous event handling and non-blocking I/O features. The Node server radically simplifies event-driven real-time apps like chat, games, and live data analytics, and with its incredibly rich ecosystem of modules, tools, and libraries, it's hard to beat! About the Book Based on the bestselling first edition, Node.js in Action, Second Edition is a completely new book. Packed with practical examples, it teaches you how to create high-performance web servers using JavaScript and Node. You'll master key design concepts such as asynchronous programming, state management, and event-driven programming. And you'll learn to put together MVC servers using Express and Connect, design web APIs, and set up the perfect production environment to build, lint, and test. What's Inside Mastering non-blocking I/O The Node event loop Testing and deploying Web application templating About the Reader Written for web developers with intermediate JavaScript skills. About the Authors The Second Edition author team includes Node masters Alex Young, Bradley Meck, Mike Cantelon, and Tim Oxley, along with original authors Marc Harter, T.J. Holowaychuk,

and Nathan Rajlich. Table of contents PART 1 - WELCOME TO NODE Welcome to Node.js Node programming fundamentals What is a Node web application? PART 2 - WEB DEVELOPMENT WITH NODE Front-end build systems Server-side frameworks Connect and Express in depth Web application templating Storing application data Testing Node applications Deploying Node applications and maintaining uptime PART 3 - BEYOND WEB DEVELOPMENT Writing command-line applications Conquering the desktop with Electron

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

deployment. Learn to write responsive code that can be deployed on any device. Become a well-rounded developer and be able to understand the entire development cycle. Learn to utilize free open source and cloud services to deploy production-grade code. Who This Book Is For Front or back end Mac developers familiar with JavaScript and interested in utilizing the MEAN stack to deploy successful apps on all devices.
Learning Node.js Development
A Problem-Solution Approach
Node.js, MongoDB, and AngularJS Web Development
Programming Web Applications with Node, Express and Pug
Practical Node.js
The Comprehensive Book on Express.js
Distributed Systems with Node.js

Learn web application development through design thinking and illustrated use-cases. KEY FEATURES ? Learn from Node.js community leader to design production-ready applications. ? Numerous examples and use-cases demonstrate how to create web components of your choice. ? Covers best practices on writing error-free and high-performant codes for scaling Node.js apps. DESCRIPTION 'Building Production-ready Web Apps with Node.js' teaches you how a web application works from the inside out with detailed illustrations of the various components. You should be able to use the knowledge to develop new web applications,

enhance existing applications, or re-architect applications to meet new workload characteristics or deployment scenarios. This book, written by a Node.js community leader, walks you through the various aspects of a web application, beginning with platform selection and ending with production problem determination. It offers unique Node.js features that make it a high-performer in IO workloads. The book then walks you through the components of a web application, such as the front-end, back-end, middleware functions, database, and third-party services. There are several real-world case studies and illustrative examples to help you internalize the knowledge easily. If you read this book, you should be able to apply what you've learned in your current job situation. This book will provide you with the ability to appreciate and rationalize the design considerations of modern web technologies. WHAT YOU WILL LEARN ? Learn how to create web app components from zero. ? Receive expert guidance on optimizing backend components' performance. ? Develop the ability to convert monolithic applications to microservices. ? Utilize cutting-edge techniques to reinvent web components for maximum production strength. WHO THIS BOOK IS FOR This book is intended for students, mobile developers, application developers, and architects who want to create and redesign web applications. Prior experience with JavaScript programming is preferred but not required. TABLE OF

CONTENTS 1. Getting Started with the Fundamentals 2. Setting up the Environment 3. Introduction to Web Server 4. Our First program: Time of the Day Server 5. Common Networking Interfaces of Node.js 6. Major Web Server Components 7. Interacting with Backend Components 8. Implementing Common Website Features 9. Making our Website Production Grade 10. Best Practices for High Performant Code 11. Debugging Program Anomalies 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. Increase your productivity by implementing complex data structures and algorithms using JavaScript Key Features A step by step guide, which will provide you with a thorough discussion on the analysis and design of fundamental JavaScript data structures Get a better understanding of advanced concepts such as space and time complexity to optimize your code Focus more on solving the business problem and less on the technical challenges involved Book Description Data structures and algorithms are the fundamental building blocks of computer programming. They are critical to any problem, provide a complete solution, and act like reusable code. Using appropriate data structures and having a good

understanding of algorithm analysis are key in JavaScript to solving crises and ensuring your application is less prone to errors. Do you want to build applications that are high-performing and fast? Are you looking for complete solutions to implement complex data structures and algorithms in a practical way? If either of these questions rings a bell, then this book is for you! You'll start by building stacks and understanding performance and memory implications. You will learn how to pick the right type of queue for the application. You will then use sets, maps, trees, and graphs to simplify complex applications. You will learn to implement different types of sorting algorithm before gradually calculating and analyzing space and time complexity. Finally, you'll increase the performance of your application using micro optimizations and memory management. By the end of the book you will have gained the skills and expertise necessary to create and employ various data structures in a way that is demanded by your project or use case. What you will learn Build custom Back buttons embedded within your application Build part of a basic JavaScript syntax parser and evaluator for an online IDE Build a custom activity user tracker for your application Generate accurate recommendations for credit card approval using Decision Trees Simplify complex problems using a graphs Increase the performance of an application using micro-optimizations Who this book is for If you are

a JavaScript developer looking for practical examples to implement data structures and algorithms in your web applications, then this book is for you. Familiarity with data structures and algorithms will be helpful to get the most out of this book. A step-by-step guide that will help you design, develop, scale, and deploy RESTful APIs with TypeScript 3 and Node.js Key Features Gain in-depth knowledge of OpenAPI and Swagger to build scalable web services Explore a variety of test frameworks and test runners such as Stryker, Mocha, and Chai Create a pipeline by Dockerizing your environment using Travis CI, Google Cloud Platform, and GitHub Book Description In the world of web development, leveraging data is the key to developing comprehensive applications, and RESTful APIs help you to achieve this systematically. This book will guide you in designing and developing web services with the power of TypeScript 3 and Node.js. You'll design REST APIs using best practices for request handling, validation, authentication, and authorization. You'll also understand how to enhance the capabilities of your APIs with ODMs, databases, models and views, as well as asynchronous callbacks. This book will guide you in securing your environment by testing your services and initiating test automation with different testing approaches. Furthermore, you'll get to grips with developing secure, testable, and more

efficient code, and be able to scale and
deploy TypeScript 3 and Node.js-powered
RESTful APIs on cloud platforms such as the
Google Cloud Platform. Finally, the book will
help you explore microservices and give you
an overview of what GraphQL can allow you to
do. By the end of this book, you will be able
to use RESTful web services to create your
APIs for mobile and web apps and other
platforms. What you will learn Explore
various methods to plan your services in a
scalable way Understand how to handle
different request types and the response
status code Get to grips with securing web
services Delve into error handling and
logging your web services for improved
debugging Uncover the microservices
architecture and GraphQL Create automated
CI/CD pipelines for release and deployment
strategies Who this book is for If you're a
developer who has a basic understanding of
REST concepts and want to learn how to design
and develop RESTful APIs, this book is for
you. Prior knowledge of TypeScript will help
you make the most out of this book.
Hybrid Cloud Data and API Integration:
Integrate Your Enterprise and Cloud with
Bluemix Integration Services
Build scalable full-stack applications while
learning to solve complex problems with
GraphQL
Voice User Interface Projects
Node.js Web Development
Hands-on Azure DevOps

Creare applicazioni web in JavaScript
Node.js Recipes

Learn how to program modern web applications using the full Node.js platform, including Node.js on the server, Express for middleware and routing, and Pug (formerly Jade) to simplify the creation of views. Node.js is the foundation of all full JavaScript apps and plenty of books cover its full usage. This book focuses on how to use it to create server-based, modern web applications. Using Node.js alongside Express and Pug - the brand new version of Jade - you can create modern web applications solely using JavaScript. This book teaches you how to structure and build your app from scratch, and make development easy. What You Will Learn Use NodeJS in general and particularly the features require to create web applications Understand middleware and how to develop using the Express framework Explore the template engine Pug (formerly Jade) and how you can integrate it with Express"/li> Set up a complete development environment on both Linux and Windows Who This Book Is For Developers of web applications who come from Java/J2EE, ASP.NET, PHP, Ruby on Rails and want to explore the capabilities of JavaScript based server apps. It's suitable for beginners that have a basic understanding of JavaScript already.

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 Realizzare applicazioni web con interfacce utente scalabili e performanti è una sfida che gli sviluppatori affrontano da un decennio. React.js è forse la tecnologia che fino a oggi ha risposto in maniera più efficace e non a caso è implementata da realtà del calibro di Facebook e Instagram. Grazie a un approccio tutoriale, questo manuale insegna l'utilizzo di React.js in applicazioni reali. Capitolo dopo capitolo viene mostrato come creare e gestire i diversi elementi dell'interfaccia utente, come renderli reattivi e come arricchirli con altre librerie JavaScript, fino ad arrivare a superare test di complessità crescente e aumentare la scalabilità dell'applicazione. Un testo prezioso per tutti gli sviluppatori front-end che magari già lavorano con jQuery e framework come AngularJS o Backbone.js, ma vogliono arricchire il proprio bagaglio di conoscenze con uno strumento potente e moderno come React.js.
The fourth edition of Node Cookbook covers the latest features and libraries of Node.js 14. With this recipe-based guide, you'll learn how to handle files, build simple web applications, and build your own modules using Node.js. You'll also be able to diagnose problems in your apps, handle security

concerns, and deploy your apps to the cloud.
Guida per lo sviluppatore
Build voice-enabled applications using Dialogflow for
Google Home and Alexa Skills Kit for Amazon Echo
Smashing Node.js
Node.js: Tools & Skills
Write efficient code that is highly performant,
scalable, and easily testable using JavaScript
Over 66 hands-on recipes that cover UI development,
animations, component architecture, routing, databases,
testing, and debugging with React Key Features Use
essential hacks and simple techniques to solve React
application development challenges Create native mobile
applications for iOS and Android using React Native Learn to
write robust tests for your applications using Jest and Enzyme
Book Description Today's web demands efficient real-time
applications and scalability. If you want to learn to build fast,
efficient, and high-performing applications using React 16,
this is the book for you. We plunge directly into the heart of all
the most important React concepts for you to conquer. Along
the way, you'll learn how to work with the latest ECMAScript
features. You'll see the fundamentals of Redux and find out
how to implement animations. Then, you'll learn how to
create APIs with Node, Firebase, and GraphQL, and improve
the performance of our application with Webpack 4.x. You'll
find recipes on implementing server-side rendering, adding
unit tests, and debugging. We also cover best practices to
deploy a React application to production. Finally, you'll learn
how to create native mobile applications for iOS and Android
using React Native. By the end of the book, you'll be saved
from a lot of trial and error and developmental headaches,
and you'll be on the road to becoming a React expert. What

you will learn Gain the ability to wield complex topics such as Webpack and server-side rendering Implement an API using Node.js, Firebase, and GraphQL Learn to maximize the performance of React applications Create a mobile application using React Native Deploy a React application on Digital Ocean Get to know the best practices when organizing and testing a large React application Who this book is for If you're a JavaScript developer who wants to build fast, efficient, scalable solutions, then you're in the right place. Knowledge of React will be an advantage but is not required. Experienced users of React will be able to improve their skills.