

Javascript And Json Essentials Author Srinivas Sai Sriparasa Oct 2013

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Validating RDF Data - Jose Emilio Labra Gayo
2022-05-31

RDF and Linked Data have broad applicability across many fields, from aircraft manufacturing to zoology. Requirements for detecting bad data

differ across communities, fields, and tasks, but nearly all involve some form of data validation. This book introduces data validation and describes its practical use in day-to-day data exchange. The Semantic Web offers a bold, new

take on how to organize, distribute, index, and share data. Using Web addresses (URIs) as identifiers for data elements enables the construction of distributed databases on a global scale. Like the Web, the Semantic Web is heralded as an information revolution, and also like the Web, it is encumbered by data quality issues. The quality of Semantic Web data is compromised by the lack of resources for data curation, for maintenance, and for developing globally applicable data models. At the enterprise scale, these problems have conventional solutions. Master data management provides an enterprise-wide vocabulary, while constraint languages capture and enforce data structures. Filling a need long recognized by Semantic Web users, shapes languages provide models and vocabularies for expressing such structural constraints. This book describes two technologies for RDF validation: Shape Expressions (ShEx) and Shapes Constraint Language (SHACL), the

rationales for their designs, a comparison of the two, and some example applications.

Information and Communication Technology - Linawati 2014-03-25

This book constitutes the refereed proceedings of the Second IFIP TC 5/8 International Conference on Information and Communication Technology, ICT-Eur Asia 2014, with the collocation of Asia ARES 2014 as a special track on Availability, Reliability and Security, held in Bali, Indonesia, in April 2014. The 70 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers have been organized in the following topical sections: applied modeling and simulation; mobile computing; advanced urban-scale ICT applications; semantic web and knowledge management; cloud computing; image processing; software engineering; collaboration technologies and systems; e-learning; data warehousing and data mining; e-government and e-health; biometric and

bioinformatics systems; network security; dependable systems and applications; privacy and trust management; cryptography; multimedia security and dependable systems and applications.

50 Cases in Clinical Cardiology - Atul Luthra
2014-03-05

Presents 50 real clinical cardiology cases covering numerous cardiac disorders.

Smart Intelligent Computing and Applications - Suresh Chandra Satapathy
2019-09-26

This book gathers high-quality papers presented at the Third International Conference on Smart Computing and Informatics (SCI 2018-19), which was organized by the School of Computer Engineering and School of Computer Application, Kalinga Institute of Industrial Technology, Bhubaneswar, India, on 21-22 December, 2018. It includes advanced and multi-disciplinary research on the design of smart computing and informatics. Thematically, the

book broadly focuses on several innovation paradigms in system knowledge, intelligence and sustainability that can help to provide realistic solutions to various problems confronting society, the environment, and industry. The respective papers offer valuable insights into the how emerging computational and knowledge transfer approaches can be used to deliver optimal solutions in science, technology and healthcare.

[Building a Web Application with PHP and MariaDB: A Reference Guide](#) - Sai Srinivas Sriparasa
2014-06-16

This is a step-by-step, tutorial guide designed to help readers transition from beginners to more experienced developers using clear explanations. The variety of examples will help readers build, secure, and host real-time web applications. If you are a developer who wants to use PHP and MariaDB to build web applications, this book is ideal for you. Beginners can use this book to start with the basics and learn how to

build and host web applications. Seasoned PHP Developers can use this book to get familiar with the new features of PHP 5.4 and 5.5, unit testing, caching, security, and performance optimization.

Cloud Computing: A Practical Approach -

Toby Velte 2009-10-22

"The promise of cloud computing is here. These pages provide the 'eyes wide open' insights you need to transform your business." --Christopher Crowhurst, Vice President, Strategic Technology, Thomson Reuters A Down-to-Earth Guide to Cloud Computing Cloud Computing: A Practical Approach provides a comprehensive look at the emerging paradigm of Internet-based enterprise applications and services. This accessible book offers a broad introduction to cloud computing, reviews a wide variety of currently available solutions, and discusses the cost savings and organizational and operational benefits. You'll find details on essential topics, such as hardware, platforms, standards,

migration, security, and storage. You'll also learn what other organizations are doing and where they're headed with cloud computing. If your company is considering the move from a traditional network infrastructure to a cutting-edge cloud solution, you need this strategic guide. Cloud Computing: A Practical Approach covers: Costs, benefits, security issues, regulatory concerns, and limitations Service providers, including Google, Microsoft, Amazon, Yahoo, IBM, EMC/VMware, Salesforce.com, and others Hardware, infrastructure, clients, platforms, applications, services, and storage Standards, including HTTP, HTML, DHTML, XMPP, SSL, and OpenID Web services, such as REST, SOAP, and JSON Platform as a Service (PaaS), Software as a Service (SaaS), and Software plus Services (S+S) Custom application development environments, frameworks, strategies, and solutions Local clouds, thin clients, and virtualization Migration, best practices, and emerging standards

JavaScript and JSON Essentials - Sai S

Sriparasa 2018-04-23

Use JSON for building web applications with technologies like HTML, JavaScript, Angular, Node.js, Hapi.js, Kafka, socket.io, MongoDB, Gulp.js, and handlebar.js, and others formats like GEOJSON, JSON-LD, MessagePack, and BSON. Key Features Use JSON with trending technologies like Angular, Hapi.js, MongoDB, Kafka, and Socket.io Debug, validate, and format JSON using developer toolkits, JSONLint, and JSON Editor Online Explore other JSON formats like GeoJSON, JSON-LD, BSON, and MessagePack Book Description JSON is an established and standard format used to exchange data. This book shows how JSON plays different roles in full web development through examples. By the end of this book, you'll have a new perspective on providing solutions for your applications and handling their complexities. After establishing a strong basic foundation with JSON, you'll learn to build frontend apps by

creating a carousel. Next, you'll learn to implement JSON with Angular 5, Node.js, template embedding, and composer.json in PHP. This book will also help you implement Hapi.js (known for its JSON-configurable architecture) for server-side scripting. You'll learn to implement JSON for real-time apps using Kafka, as well as how to implement JSON for a task runner, and for MongoDB BSON storage. The book ends with some case studies on JSON formats to help you sharpen your creativity by exploring futuristic JSON implementations. By the end of the book, you'll be up and running with all the essential features of JSON and JavaScript and able to build fast, scalable, and efficient web applications. What you will learn Use JSON to store metadata for dependency managers, package managers, configuration managers, and metadata stores Handle asynchronous behavior in applications using callbacks, promises, generators, and async-await functions Use JSON for Angular 5, Node.js,

Gulp.js, and Hapi.js Implement JSON as BSON in MongoDB Make use of JSON in developing automation scripts Implement JSON for realtime using socket.io and distributed systems using Kafka Who this book is for If you're a web developer with a basic understanding of JavaScript and want to write JSON data, integrate it with RESTful APIs to create faster and scalable applications, this book is for you.

Managed Code Rootkits - Erez Metula

2010-11-25

Managed Code Rootkits is the first book to cover application-level rootkits and other types of malware inside the application VM, which runs a platform-independent programming environment for processes. The book, divided into four parts, points out high-level attacks, which are developed in intermediate language. The initial part of the book offers an overview of managed code rootkits. It explores environment models of managed code and the relationship of managed code to rootkits by studying how they use

application VMs. It also discusses attackers of managed code rootkits and various attack scenarios. The second part of the book covers the development of managed code rootkits, starting with the tools used in producing managed code rootkits through their deployment. The next part focuses on countermeasures that can possibly be used against managed code rootkits, including technical solutions, prevention, detection, and response tactics. The book concludes by presenting techniques that are somehow similar to managed code rootkits, which can be used in solving problems. Named a 2011 Best Hacking and Pen Testing Book by InfoSec Reviews Introduces the reader briefly to managed code environments and rootkits in general Completely details a new type of rootkit hiding in the application level and demonstrates how a hacker can change language runtime implementation Focuses on managed code including Java, .NET, Android Dalvik and reviews malware

development scenarios

Pro RESTful APIs - Sanjay Patni 2017-03-20

Discover the RESTful technologies, including REST, JSON, XML, JAX-RS web services, SOAP and more, for building today's microservices, big data applications, and web service applications.

This book is based on a course the Oracle-based author is teaching for UC Santa Cruz Silicon Valley which covers architecture, design best practices and coding labs. Pro RESTful APIs:

Design gives you all the fundamentals from the top down: from the top (architecture) through the middle (design) to the bottom (coding). This

book is a must have for any microservices or web services developer building applications and

services. What You'll Learn Discover the key RESTful APIs, including REST, JSON, XML, JAX, SOAP and more Use these for web services and data exchange, especially in today's big data

context Harness XML, JSON, REST, and JAX-RS in examples and case studies Apply best practices to your solutions' architecture Who

This Book Is For Experienced web programmers and developers.

Digital Infrastructure for the Learning Health System - Institute of Medicine 2011-10-21

Like many other industries, health care is increasingly turning to digital information and the use of electronic resources. The Institute of Medicine's Roundtable on Value & Science-Driven Health Care hosted three workshops to explore current efforts and opportunities to accelerate progress in improving health and health care with information technology systems.

Spring Recipes - Gary Mak 2010-12-28

The Spring framework is growing. It has always been about choice. Java EE focused on a few technologies, largely to the detriment of alternative, better solutions. When the Spring framework debuted, few would have agreed that Java EE represented the best-in-breed architectures of the day. Spring debuted to great fanfare, because it sought to simplify Java EE.

Each release since marks the introduction of new features designed to both simplify and enable solutions. With version 2.0 and later, the Spring framework started targeting multiple platforms. The framework provided services on top of existing platforms, as always, but was decoupled from the underlying platform wherever possible. Java EE is still a major reference point, but it's not the only target. OSGi (a promising technology for modular architectures) has been a big part of the SpringSource strategy here. Additionally, the Spring framework runs on Google App Engine. With the introduction of annotation-centric frameworks and XML schemas, SpringSource has built frameworks that effectively model the domain of a specific problem, in effect creating domain-specific languages (DSLs). Frameworks built on top of the Spring framework have emerged supporting application integration, batch processing, Flex and Flash integration, GWT, OSGi, and much more.

Beginning HTML5 and CSS3 For Dummies - Ed Tittel 2013-08-14

Your full-color, friendly guide to getting started with HTML5 and CSS3! HTML and CSS are essential tools for creating dynamic websites and help make your websites even more effective and unique. This friendly-but-straightforward guide gets you started with the basics of the latest versions of HTML and CSS: HTML5 and CSS3. Introducing you to the syntax and structure of the languages, this helpful guide shows you how to create and view a web page, explains ideal usage of HTML5 and CSS3, walks you through the CSS3 rules and stylesheets, addresses common mistakes and explains how to fix them, and explores interesting HTML5 tools. Serves as an ideal introduction to HTML5 and CSS3 for beginners with little to no web development experience. Details the capabilities of HTML5 and CSS3 and how to use both to create responsive, practical, and well-designed websites. Helps you understand how HTML5 and

CSS3 are the foundation upon which hundreds of millions of web pages are built. Features full-color illustrations to enhance your learning process. Beginning HTML5 and CSS3 For Dummies is the perfect first step for getting started with the fundamentals of web development and design.

Java: A Beginner's Guide, Seventh Edition - Herbert Schildt 2017-10-13

Up-to-Date, Essential Java Programming Skills—Made Easy! Supplement for key JDK 10 new features available from book's Downloads & Resources page at OraclePressBooks.com. Fully updated for Java Platform, Standard Edition 9 (Java SE 9), Java: A Beginner's Guide, Seventh Edition, gets you started programming in Java right away. Bestselling programming author Herb Schildt begins with the basics, such as how to create, compile, and run a Java program. He then moves on to the keywords, syntax, and constructs that form the core of the Java language. The book also covers some of Java's

more advanced features, including multithreaded programming, generics, lambda expressions, Swing, and JavaFX. This practical Oracle Press guide features details on Java SE 9's innovative new module system, and, as an added bonus, it includes an introduction to JShell, Java's new interactive programming tool. Designed for Easy Learning: • Key Skills and Concepts—Chapter-opening lists of specific skills covered in the chapter • Ask the Expert—Q&A sections filled with bonus information and helpful tips • Try This—Hands-on exercises that show you how to apply your skills • Self Tests—End-of-chapter quizzes to reinforce your skills • Annotated Syntax—Example code with commentary that describes the programming techniques being illustrated

Twelve Years a Slave - Solomon Northup
2021-01-01

"Having been born a freeman, and for more than thirty years enjoyed the blessings of liberty in a free State—and having at the end of that time

been kidnapped and sold into Slavery, where I remained, until happily rescued in the month of January, 1853, after a bondage of twelve years—it has been suggested that an account of my life and fortunes would not be uninteresting to the public." -an excerpt

Chess Scorebook - Future Proof Publishing
2020-12-24

How to Do Everything with Your Genealogy -
George G. Morgan 2004-04-21

Anyone interested in discovering their family genealogy should carry a copy of this book everywhere. Written by internationally recognized expert, George G. Morgan, this book is an irreplaceable resource for beginner to expert knowledge gatherers. Not only does Morgan explain how to get the search started - creating a family tree, locating and evaluating documents, selecting the appropriate hardware and software for the search - he goes steps further and dedicates an entire section to

research methods and strategies where he discusses, among other topics, getting past “dead ends,” and organizing possible research travel.

Soft Computing and Signal Processing - V.
Sivakumar Reddy 2021-07-23

This book presents selected research papers on current developments in the fields of soft computing and signal processing from the Third International Conference on Soft Computing and Signal Processing (ICSCSP 2020). The book covers topics such as soft sets, rough sets, fuzzy logic, neural networks, genetic algorithms and machine learning and discusses various aspects of these topics, e.g., technological considerations, product implementation and application issues.

Computer Security Handbook - Seymour
Bosworth 2014-03-31

Flutter for Beginners - Alessandro Biessek
2019-09-12

A step-by-step guide to learning Flutter and Dart 2 for creating Android and iOS mobile applications. Key Features: Get up to speed with the basics of Dart programming and delve into Flutter development. Understand native SDK and third-party libraries for building Android and iOS applications using Flutter Package and deploy your Flutter apps to achieve native-like performance. Book Description: Google Flutter is a cross-platform mobile framework that makes it easy to write high-performance apps for Android and iOS. This book will help you get to grips with the basics of the Flutter framework and the Dart programming language. Starting from setting up your development environment, you'll learn to design the UI and add user input functions. You'll explore the navigator widget to manage app routes and learn to add transitions between screens. The book will even guide you through developing your own plugin and later, you'll discover how to structure good plugin code. Using the Google Places API, you'll also

understand how to display a map in the app and add markers and interactions to it. You'll then learn to improve the user experience with features such as map integrations, platform-specific code with native languages, and personalized animation options for designing intuitive UIs. The book follows a practical approach and gives you access to all relevant code files hosted at github.com/PacktPublishing/Flutter-for-Beginners. This will help you access a variety of examples and prepare your own bug-free apps, ready to deploy on the App Store and Google Play Store. By the end of this book, you'll be well-versed with Dart programming and have the skills to develop your own mobile apps or build a career as a Dart and Flutter app developer. What you will learn: Understand the fundamentals of the Dart programming language. Explore the core concepts of the Flutter UI and how it compiles for multiple platforms. Develop Flutter plugins and widgets and understand how to

structure plugin code appropriatelyStyle your Android and iOS apps with widgets and learn the difference between stateful and stateless widgetsAdd animation to your UI using Flutter's AnimatedBuilder componentIntegrate your native code into your Flutter codebase for native app performanceWho this book is for This book is for developers looking to learn Google's revolutionary framework Flutter from scratch. No prior knowledge of Flutter or Dart is required; however, basic knowledge of any programming language will be helpful.

Computational Intelligence, Communications, and Business Analytics - Jyotsna Kumar Mandal 2019-06-24

The two volume set CCIS 1030 and 1031 constitutes the refereed proceedings of the Second International Conference on Computational Intelligence, Communications, and Business Analytics, CICBA 2018, held in Kalyani, India, in July 2018. The 76 revised full papers presented in the two volumes were

carefully reviewed and selected from 240 submissions. The papers are organized in topical sections on computational intelligence; signal processing and communications; microelectronics, sensors, and intelligent networks; data science & advanced data analytics; intelligent data mining & data warehousing; and computational forensics (privacy and security).

Spring Data Standard Guide - Petri Kainulainen 2012-11-05

Implement JPA repositories and harness the performance of Redis in your applications.

Discovering Statistics Using SAS - Andy P. Field 2010-02-25

Hot on the heels of Andy Field's best-selling Discovering Statistics Using SPSS, Third Edition (2009), the author has teamed up with a co-author, Jeremy Miles, to adapt this textbook for SAS® using the most up-to-date commands and programming language available in latest release 9.2. As with its sister textbook,

Discovering Statistics Using SAS® takes the entry level student from first principles right the way through to advanced level statistical concepts all the while grounding knowledge through the use of SAS®. Its approach is to teach statistical concepts as well as the computational principles, commands and language of the SAS® software package in one textbook, and given this comprehensive coverage this textbook should be enthusiastically adopted on a wide variety of statistics courses.

Django Girls Tutorial - Django Girls
2017-10-25

Welcome to the Django Girls Tutorial! We are happy to see you here:) In this tutorial, we will take you on a journey under the hood of web technologies, offering you a glimpse of all the bits and pieces that need to come together to make the web work as we know it. As with all unknown things, this is going to be an adventure - but no worries, since you already worked up the courage to be here, you'll be just fine:)

Innovations in Computer Science and Engineering - Harvinder Singh Saini

2020-03-03

This book features a collection of high-quality, peer-reviewed research papers presented at the 7th International Conference on Innovations in Computer Science & Engineering (ICICSE 2019), held at Guru Nanak Institutions, Hyderabad, India, on 16-17 August 2019.

Written by researchers from academia and industry, the book discusses a wide variety of industrial, engineering, and scientific applications of the emerging techniques in the field of computer science.

International Conference on Computer Networks and Communication Technologies

- S. Smys 2019

The book features research papers presented at the International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT 2018), offering significant contributions from researchers and

practitioners in academia and industry. The topics covered include computer networks, network protocols and wireless networks, data communication technologies, and network security. Covering the main core and specialized issues in the areas of next-generation wireless network design, control, and management, as well as in the areas of protection, assurance, and trust in information security practices, these proceedings are a valuable resource, for researchers, instructors, students, scientists, engineers, managers, and industry practitioners.

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[Beginning Laravel](#) - Sanjib Sinha 2019-09-06

Develop cutting-edge websites and applications using the new features of Laravel 5.8. This book starts with an introduction to Laravel and takes a glance at its newly introduced features. Moving on to setting up your development environment, you will learn how the composer works. In addition to this, you will be introduced to Valet, Homestead, Virtual Box, Vagrant, and

Forge in Laravel. With this foundation, you will be ready to get started writing your first Laravel apps. To do so, you will learn to manage routes and controllers and how the Blade template works. Moving on to models, you will work with route model binding and get to know the relationship between models, databases, and Eloquent. Along the way you will define methods on your Eloquent model classes using different types of relationships. Shifting focus to handling user data, you will see how redirect methods work. You will also get to know the inner workings of requests and responses. Continuing the data theme, Beginning Laravel covers basic and grouped artisan commands and how to handle databases with Tinker. By being able to handle data effectively, your applications will come alive for your users, giving them the functionality they need. The last section of the book handles core concepts such as sending emails, alerting users via notifications, and implementing SOLID design principles. You will

see how to decouple your application classes by using events and listeners. What You Will Learn Protect your app with authentication and authorization Build a complex relationship between entities using Eloquent models Take advantage of containers and facades Use the mail template Create and configure events Work with Laravel Passport Deploy API authentication Discover new Laravel 5.8 features such as dump server and email verification Who This Book Is For Those new to Laravel and PHP web development or those who have some background in PHP/Laravel who are new to Laravel's newest release.

Breaking the Code - Bobby Davis, Jr 2020-06-23
If you want to land a job in tech, you need to know how to code. That much is obvious. A skill that is equally as important-but often overlooked-is knowing how to market yourself to potential employers, especially if you're new to the industry. Do you know how to land interviews and deliver a compelling case for why

you should be hired? Bobby Davis Jr. has helped place hundreds of aspiring coders into high-paying tech jobs. In Breaking the Code, he shares the proven strategies he uses with his students and offers up insider tips that will make you stand out from the competition. You'll learn how to avoid the biggest stumbling block when it comes to landing a job and what you should build before an interview if you don't have a project to show. Bobby also teaches you the secret to accessing jobs not found on corporate job boards and exponentially increasing your chances of getting the job you want. The path to \$100,000 a year-and infinite possibilities beyond that-begins with Breaking the Code.

Python Data Analysis - Ivan Idris 2014-10-28
This book is for programmers, scientists, and engineers who have knowledge of the Python language and know the basics of data science. It is for those who wish to learn different data analysis methods using Python and its libraries. This book contains all the basic ingredients you

need to become an expert data analyst.

JavaScript and JSON Essentials - Sai Srinivas Sriparasa 2013-10-24

The book follows a tutorial-based approach and will teach you how to work with JSON tools, design JSON objects, and how to use different techniques to handle JSON data. This book is a great resource for developers who would like to learn more about JSON and who wish to apply it in their own projects. It will be useful to have some prior knowledge of HTML and JavaScript to help you understand the concepts covered in this book. Some familiarity with a server-side language such as PHP, C#, or Python would also be beneficial, but this is not compulsory.

Intelligent Systems Technologies and Applications 2016 - Juan Manuel Corchado Rodriguez 2016-09-19

This book constitutes the thoroughly refereed proceedings of the second International Symposium on Intelligent Systems Technologies and Applications (ISTA'16), held on September

21-24, 2016 in Jaipur, India. The 80 revised papers presented were carefully reviewed and selected from 210 initial submissions and are organized in topical sections on image processing and artificial vision, computer networks and distributed systems, intelligent tools and techniques and applications using intelligent techniques.

Inventive Communication and Computational Technologies - G.

Ranganathan 2020-09-24

This book gathers selected papers presented at the 4th International Conference on Inventive Communication and Computational Technologies (ICICCT 2020), held on 28-29 May 2020 at Gnanamani College of Technology, Tamil Nadu, India. The respective contributions highlight recent research efforts and advances in a new paradigm called ISMAC (IoT in Social, Mobile, Analytics and Cloud contexts). The topics covered include the Internet of Things, Social Networks, Mobile Communications, Big Data

Analytics, Bio-inspired Computing and Cloud Computing. Given its scope, the book is chiefly intended for academics and practitioners working to resolve practical issues in this area. Reactive Programming with RxJava - Tomasz Nurkiewicz 2016-10-06

In today's app-driven era, when programs are asynchronous and responsiveness is so vital, reactive programming can help you write code that's more reliable, easier to scale, and better-performing. With this practical book, Java developers will first learn how to view problems in the reactive way, and then build programs that leverage the best features of this exciting new programming paradigm. Authors Tomasz Nurkiewicz and Ben Christensen include concrete examples that use the RxJava library to solve real-world performance issues on Android devices as well as the server. You'll learn how RxJava leverages parallelism and concurrency to help you solve today's problems. This book also provides a preview of the upcoming 2.0 release.

Write programs that react to multiple asynchronous sources of input without descending into "callback hell" Get to that aha! moment when you understand how to solve problems in the reactive way Cope with Observables that produce data too quickly to be consumed Explore strategies to debug and to test programs written in the reactive style Efficiently exploit parallelism and concurrency in your programs Learn about the transition to RxJava version 2

Django for Beginners - William S. Vincent 2021-12-16

Completely updated for Django 4.0! Django for Beginners is a project-based introduction to Django, the popular Python-based web framework. Suitable for total beginners who have never built a website before as well as professional programmers looking for a fast-paced guide to modern web development and Django fundamentals. In the book you'll learn how to: * Build 5 websites from scratch,

including a Blog and Newspaper * Deploy online using security best practices * Customize the look and feel of your sites * Write tests and run them for all your code * Integrate user authentication, email, and custom user models * Add permissions and authorizations to make your app more secure If you're curious about Python-based web development, Django for Beginners is a best-practices guide to writing and deploying your own websites quickly.

Trends in Computational Intelligence, Security and Internet of Things - Nirmalya Kar 2020-12-29

This volume constitutes the refereed proceedings of the Third International Conference on Computational Intelligence, Security and Internet of Things, ICCISIoT 2020, held in Agartala, India, in December 2020. Due to the COVID-19 pandemic the conference was held online. The 23 full papers and 4 short papers were carefully reviewed and selected from 113 submissions. The papers are organised

according to the following topics: computational intelligence, security, and internet of things.

Eloquent JavaScript, 3rd Edition - Marijn Haverbeke 2018-12-04

Completely revised and updated, this best-selling introduction to programming in JavaScript focuses on writing real applications. JavaScript lies at the heart of almost every modern web application, from social apps like Twitter to browser-based game frameworks like Phaser and Babylon. Though simple for beginners to pick up and play with, JavaScript is a flexible, complex language that you can use to build full-scale applications. This much anticipated and thoroughly revised third edition of Eloquent JavaScript dives deep into the JavaScript language to show you how to write beautiful, effective code. It has been updated to reflect the current state of JavaScript and web browsers and includes brand-new material on features like class notation, arrow functions, iterators, async functions, template strings, and

block scope. A host of new exercises have also been added to test your skills and keep you on track. As with previous editions, Haverbeke continues to teach through extensive examples and immerses you in code from the start, while exercises and full-chapter projects give you hands-on experience with writing your own programs. You start by learning the basic structure of the JavaScript language as well as control structures, functions, and data structures to help you write basic programs. Then you'll learn about error handling and bug fixing, modularity, and asynchronous programming before moving on to web browsers and how JavaScript is used to program them. As you build projects such as an artificial life simulation, a simple programming language, and a paint program, you'll learn how to:

- Understand the essential elements of programming, including syntax, control, and data
- Organize and clarify your code with object-oriented and functional programming

techniques - Script the browser and make basic web applications - Use the DOM effectively to interact with browsers - Harness Node.js to build servers and utilities Isn't it time you became fluent in the language of the Web? * All source code is available online in an interactive sandbox, where you can edit the code, run it, and see its output instantly.

Soft Computing and Signal Processing - Jiacun Wang 2019-02-13

The book includes research papers on current developments in the field of soft computing and signal processing, selected from papers presented at the International Conference on Soft Computing and Signal Processing (ICSCSP 2018). It features papers on current topics, such as soft sets, rough sets, fuzzy logic, neural networks, genetic algorithms and machine learning. It also discusses various aspects of these topics, like technologies, product implementation, and application issues.

[Inventive Computation Technologies](#) - S. Smys

2019-11-02

With the intriguing development of technologies in several industries, along with the advent of ubiquitous computational resources, there are now ample opportunities to develop innovative computational technologies in order to solve a wide range of issues concerning uncertainty, imprecision, and vagueness in various real-life problems. The challenge of blending modern computational techniques with traditional computing methods has inspired researchers and academics alike to focus on developing innovative computational techniques. In the near future, computational techniques may provide vital solutions by effectively using evolving technologies such as computer vision, natural language processing, deep learning, machine learning, scientific computing, and computational vision. A vast number of intelligent computational algorithms are emerging, along with increasing computational power, which has significantly expanded the

potential for developing intelligent applications. These proceedings of the International Conference on Inventive Computation Technologies [ICICT 2019] cover innovative computing applications in the areas of data mining, big data processing, information management, and security.

[JavaScript Enlightenment](#) - Cody Lindley 2013 "From library user to JavaScript developer"-- Cover.

JSON at Work - Tom Marris 2017-06-19

JSON is becoming the backbone for meaningful data interchange over the internet. This format is now supported by an entire ecosystem of standards, tools, and technologies for building truly elegant, useful, and efficient applications. With this hands-on guide, author and architect Tom Marris shows you how to build enterprise-class applications and services by leveraging JSON tooling and message/document design. JSON at Work provides application architects and developers with guidelines, best practices,

and use cases, along with lots of real-world examples and code samples. You'll start with a comprehensive JSON overview, explore the JSON ecosystem, and then dive into JSON's use in the enterprise. Get acquainted with JSON basics and learn how to model JSON data Learn how to use JSON with Node.js, Ruby on Rails, and Java Structure JSON documents with JSON Schema to design and test APIs Search the contents of JSON documents with JSON Search tools Convert JSON documents to other data formats with JSON Transform tools Compare JSON-based hypermedia formats, including HAL and jsonapi Leverage MongoDB to store and access JSON documents Use Apache Kafka to exchange JSON-based messages between services

Beginning Node.js - Basarat Syed 2014-12-02
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.