

High Performance Responsive Design Building Faster Sites Across Devices 1st Edition By Barker Tom 2014 Paperback

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Responsive & Fast - Guy Podjarny 2014-08-01

Is Responsive Web Design (RWD) slowing your site down? It doesn't have to. With this concise book, you'll learn practical techniques for improving performance with RWD, including a default set of guidelines you can use as an easy starting point. Web performance researcher and evangelist Guy Podjarny walks you through several existing solutions for dealing with RWD performance problems, and offers advice for choosing optimizations that will be most useful for your needs. RWD performance problems stem from excessive downloads of resources, including images, JavaScript and CSS, and HTML—downloads designed to let your web application adapt to different screen sizes. Podjarny presents a series of increasingly larger-scope solutions to each issue, including client-side

techniques and RESS (Responsive + Server Side Components). Address performance issues by starting with Podjarny's default guidelines Use a JavaScript image loader and an image transcoding service to create Responsive Images Reduce JavaScript and CSS downloads with asynchronous scripts, conditional loading, and multi-viewport CSS Prioritize resources to avoid excess content in RWD and defer the load of any content that's not critical Explore server-side Adaptive Delivery and RESS solutions as an alternative to "pure" RWD Guy Podjarny, or Guypo for short, is the Chief Technology Officer (CTO) of Akamai's Web Experience business unit.

Designing for Performance - Lara Callender Hogan 2014-12-04

As a web designer, you encounter tough choices when it comes to weighing aesthetics and performance. Good content, layout,

images, and interactivity are essential for engaging your audience, and each of these elements have an enormous impact on page load time and the end-user experience. In this practical book, Lara Hogan helps you approach projects with page speed in mind, showing you how to test and benchmark which design choices are most critical. To get started, all you need are basic HTML and CSS skills and Photoshop experience. Topics include: The impact of page load time on your site, brand, and users Page speed basics: how browsers retrieve and render content Best practices for optimizing and loading images How to clean up HTML and CSS, and optimize web fonts Mobile-first design with performance goals by breakpoint Using tools to measure performance as your site evolves Methods for shaping an organization's performance culture

Web Performance Daybook Volume 2 - Stoyan Stefanov
2012-06-20

Performance is critical to the success of any website, and help with using today's new tools is key. In this remarkable guide, 32 leading web performance experts offer practical tips, techniques, and advice for optimizing your site's user experience. Originally written for an online calendar, this collection of articles will inspire you to squeeze every ounce of performance from your site—whether you're a web developer, mobile developer, or web designer. Check the table of contents and you'll be convinced. In order of appearance, Web Performance Daybook authors include: Patrick Meenan Nicholas Zakas Guy Podjarny Stoyan Stefanov Tim Kadlec Brian Pane Josh Fraser Steve Souders Betty Tso Israel Nir Marcel Duran Éric Daspét Alois Reitbauer Matthew Prince Buddy Brewer Alexander Podelko Estelle Weyl Aaron Peters Tony Gentilcore Matthew Steele Bryan McQuade Tobie Langel Billy Hoffman Joshua Bixby Sergey Chernyshev JP Castro Pavel Paulau David Calhoun Nicole Sullivan James Pearce Tom Hughes-Croucher Dave Artz

Using WebPageTest - Rick Viscomi 2015-10-13

Learn basic and advanced uses of WebPagetest, the performance measurement tool for optimizing websites. This practical guide shows users new to this tool how run tests and interpret results, and helps experienced users gain a better and more thorough understanding of hidden features in WebPagetest that make testing easier. Written by WebPagetest power users and performance experts, this book will help web developers and frontend engineers solve the problem of slow sites. Topics include: Basic test setup—shows beginners how to get meaningful results Advanced test setup—provides another level of technical depth by explaining features not thoroughly documented at webpagetest.org Analysis of results—helps you understand of how to interpret test results Private instance setup—teaches power users the intricacies of the webpagetest private instance and how it works API and external tools—provides a detailed reference for the API and demonstrates tools already using the API to extend WebPagetest

High Performance Responsive Design - Tom Barker 2014-11-07

Yes, you can use responsive web design to create high performance, compelling websites. With this practical book, author Tom Barker demonstrates that responsive design is not just a frontend-only approach, but also a philosophy for taking advantage of the entire web stack. Responsive design patterns and anti-patterns, derived from heavily used real-world sites, are guiding principles throughout the book. Ideal for frontend-focused web developers, this book shows you how to incorporate responsiveness and performance into your project plan, use Node.js for device-specific functionality on the backend, and write automated tests for a continuous integration environment. You'll explore many useful tools and responsive frameworks, and gain useful insights from Barker's own experience with responsive design along the way. Get a primer on web performance concepts, web runtime performance, and performance tracking tools Write functionality with Node.js that serves up a device-

specific experience to the client Explore client-side solutions, such as lazy loading entire sections of a page—including images, styling, and content Validate service level agreements (SLAs) by writing automated tests with PhantomJS Examine several responsive frameworks, including the author’s server-side framework, Ripple

High Performance Mobile Web - Maximiliano Firtman 2016-09-13
Optimize the performance of your mobile websites and webapps to the extreme. With this hands-on book, veteran mobile and web developer Maximiliano Firtman demonstrates which aspects of your site or app slow down the user’s experience, and what you can do to achieve lightning-fast performance. There’s much at stake: if you want to boost your app’s conversion rate, then tackling performance issues is the best way to start. Learn tools and techniques for working with responsive web design, images, the network layer, and many other ingredients—plus the metrics to check your progress. Ideal for web developers and web designers with HTML, CSS, JavaScript, and HTTP experience, this is your guide to superior mobile web performance. You’ll dive into: Emulators, simulators, and other tools for measuring performance Basic web performance concepts, including metrics, charts, and goals How to get real data from mobile browsers on your real networks APIs and specs for measuring, tracking and improving web performance Insights and tricks for optimizing the first view experience Ways to optimize post-loading experiences and future visits Responsive web design and its performance challenges Tips for extreme performance to achieve best conversion rates How to work with web views inside native apps

Team Topologies - Matthew Skelton 2019-09-17

In Team Topologies DevOps consultants Matthew Skelton and Manuel Pais share secrets of successful team patterns and interactions to help readers choose and evolve the right team patterns for their organization, making sure to keep the software healthy and optimize value streams. Team Topologies will help

readers discover: • Team patterns used by successful organizations. • Common team patterns to avoid with modern software systems. • When and why to use different team patterns • How to evolve teams effectively. • How to split software and align to teams.

Occupational Outlook Handbook - United States. Bureau of Labor Statistics 1976

Architecting High Performing, Scalable and Available Enterprise Web Applications - Shailesh Kumar Shivakumar 2014-10-29

Architecting High Performing, Scalable and Available Enterprise Web Applications provides in-depth insights into techniques for achieving desired scalability, availability and performance quality goals for enterprise web applications. The book provides an integrated 360-degree view of achieving and maintaining these attributes through practical, proven patterns, novel models, best practices, performance strategies, and continuous improvement methodologies and case studies. The author shares his years of experience in application security, enterprise application testing, caching techniques, production operations and maintenance, and efficient project management techniques. Delivers holistic view of scalability, availability and security, caching, testing and project management Includes patterns and frameworks that are illustrated with end-to-end case studies Offers tips and troubleshooting methods for enterprise application testing, security, caching, production operations and project management Exploration of synergies between techniques and methodologies to achieve end-to-end availability, scalability, performance and security quality attributes 360-degree viewpoint approach for achieving overall quality Practitioner viewpoint on proven patterns, techniques, methodologies, models and best practices. Bulleted summary and tabular representation of concepts for effective understanding Production operations and

troubleshooting tips

Architecting High Performing, Scalable and Available Enterprise Web Applications - Shailesh Kumar Shivakumar 2014-11-11

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Putting Our Differences to Work - Debbe Kennedy 2008-06-18

Putting our differences to work means creating an environment where people, naturally unique and different—diverse by nature and experience—can work more effectively in ways that drive new levels of creativity, innovation, problem solving, leadership, and performance in the marketplaces, workplaces, and communities of the world. Debbe Kennedy shows how to make all the dimensions of difference—such as thinking styles, perspectives, experiences, work habits, and management styles, as well as more traditional diversity considerations like gender, race, ethnicity, physical abilities, sexual orientation, and age—tremendous sources of strength. Kennedy draws on the latest research and a wealth of real-world examples to offer compelling evidence showing exactly how putting our differences to work accelerates innovation and contribution. She identifies five distinctive qualities of leadership that leaders must add to their portfolio of skills to make differences an engine of success. And she provides a detailed six-stage process for making the most of differences in the workforce, combining first-person best-practice stories and strategic with tactical ideas to help you put

each step into action. Kennedy has written both a personal and a practical guide that changes the prevailing rules of how to think, behave, and operate as a leader, connecting four diverse elements of business and society that have traditionally been siloed: innovation, leadership, diversity, and inclusion. She and futurist Joel Barker also look at how new discoveries, including Web 2.0 technologies, can draw us closer together in previously unimagined ways.

Building a Web 2.0 Portal with ASP.NET 3.5 - Omar AL Zabir 2007-12-21

Provides information on building an Ajax-based Web site using ASP.NET 3.5.

Proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018) - Sebastiano Bagnara 2018-08-10

This book presents the proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018), held on August 26-30, 2018, in Florence, Italy. By highlighting the latest theories and models, as well as cutting-edge technologies and applications, and by combining findings from a range of disciplines including engineering, design, robotics, healthcare, management, computer science, human biology and behavioral science, it provides researchers and practitioners alike with a comprehensive, timely guide on human factors and ergonomics. It also offers an excellent source of innovative ideas to stimulate future discussions and developments aimed at applying knowledge and techniques to optimize system performance, while at the same time promoting the health, safety and wellbeing of individuals. The proceedings include papers from researchers and practitioners, scientists and physicians, institutional leaders, managers and policy makers that contribute to constructing the Human Factors and Ergonomics approach across a variety of methodologies, domains and productive sectors. This volume includes papers addressing the following topics: Ergonomics in Design, Activity Theories for Work Analysis and Design, and

Affective Design.

High Performance Web Sites - Steve Souders 2007-09-11

Want your web site to display more quickly? This book presents 14 specific rules that will cut 25% to 50% off response time when users request a page. Author Steve Souders, in his job as Chief Performance Yahoo!, collected these best practices while optimizing some of the most-visited pages on the Web. Even sites that had already been highly optimized, such as Yahoo! Search and the Yahoo! Front Page, were able to benefit from these surprisingly simple performance guidelines. The rules in High Performance Web Sites explain how you can optimize the performance of the Ajax, CSS, JavaScript, Flash, and images that you've already built into your site -- adjustments that are critical for any rich web application. Other sources of information pay a lot of attention to tuning web servers, databases, and hardware, but the bulk of display time is taken up on the browser side and by the communication between server and browser. High Performance Web Sites covers every aspect of that process. Each performance rule is supported by specific examples, and code snippets are available on the book's companion web site. The rules include how to: Make Fewer HTTP Requests Use a Content Delivery Network Add an Expires Header Gzip Components Put Stylesheets at the Top Put Scripts at the Bottom Avoid CSS Expressions Make JavaScript and CSS External Reduce DNS Lookups Minify JavaScript Avoid Redirects Remove Duplicates Scripts Configure ETags Make Ajax Cacheable If you're building pages for high traffic destinations and want to optimize the experience of users visiting your site, this book is indispensable. "If everyone would implement just 20% of Steve's guidelines, the Web would be a dramatically better place. Between this book and Steve's YSlow extension, there's really no excuse for having a sluggish web site anymore." -Joe Hewitt, Developer of Firebug debugger and Mozilla's DOM Inspector "Steve Souders has done a fantastic job of distilling a massive, semi-arcane art down to a

set of concise, actionable, pragmatic engineering steps that will change the world of web performance." -Eric Lawrence, Developer of the Fiddler Web Debugger, Microsoft Corporation
High Performance JavaScript - Nicholas C. Zakas 2010-03-11
If you're like most developers, you rely heavily on JavaScript to build interactive and quick-responding web applications. The problem is that all of those lines of JavaScript code can slow down your apps. This book reveals techniques and strategies to help you eliminate performance bottlenecks during development. You'll learn how to improve execution time, downloading, interaction with the DOM, page life cycle, and more. Yahoo! frontend engineer Nicholas C. Zakas and five other JavaScript experts—Ross Harmes, Julien Lecomte, Steven Levithan, Stoyan Stefanov, and Matt Sweeney—demonstrate optimal ways to load code onto a page, and offer programming tips to help your JavaScript run as efficiently and quickly as possible. You'll learn the best practices to build and deploy your files to a production environment, and tools that can help you find problems once your site goes live. Identify problem code and use faster alternatives to accomplish the same task Improve scripts by learning how JavaScript stores and accesses data Implement JavaScript code so that it doesn't slow down interaction with the DOM Use optimization techniques to improve runtime performance Learn ways to ensure the UI is responsive at all times Achieve faster client-server communication Use a build system to minify files, and HTTP compression to deliver them to the browser
Accelerate - Nicole Forsgren PhD 2018-03-27
Winner of the Shingo Publication Award Accelerate your organization to win in the marketplace. How can we apply technology to drive business value? For years, we've been told that the performance of software delivery teams doesn't matter—that it can't provide a competitive advantage to our companies. Through four years of groundbreaking research to include data collected from the State of DevOps reports

conducted with Puppet, Dr. Nicole Forsgren, Jez Humble, and Gene Kim set out to find a way to measure software delivery performance—and what drives it—using rigorous statistical methods. This book presents both the findings and the science behind that research, making the information accessible for readers to apply in their own organizations. Readers will discover how to measure the performance of their teams, and what capabilities they should invest in to drive higher performance. This book is ideal for management at every level.

Svelte 3 Up and Running - Alessandro Segala 2020-08-28

Designing Distributed Systems - Brendan Burns 2018-02-20

Without established design patterns to guide them, developers have had to build distributed systems from scratch, and most of these systems are very unique indeed. Today, the increasing use of containers has paved the way for core distributed system patterns and reusable containerized components. This practical guide presents a collection of repeatable, generic patterns to help make the development of reliable distributed systems far more approachable and efficient. Author Brendan Burns—Director of Engineering at Microsoft Azure—demonstrates how you can adapt existing software design patterns for designing and building reliable distributed applications. Systems engineers and application developers will learn how these long-established patterns provide a common language and framework for dramatically increasing the quality of your system. Understand how patterns and reusable components enable the rapid development of reliable distributed systems Use the side-car, adapter, and ambassador patterns to split your application into a group of containers on a single machine Explore loosely coupled multi-node distributed patterns for replication, scaling, and communication between the components Learn distributed system patterns for large-scale batch data processing covering work-queues, event-based processing, and coordinated workflows

Fast ASP.NET Websites - Dean Hume 2013-08-28

Summary *Fast ASP.NET Websites* delivers just what it promises—practical, hands-on guidance to create faster, more efficient ASP.NET sites and applications. This book offers step-by-step .NET-specific examples showing you how to apply classic page optimization tips, ASP.NET-specific techniques, and ways to leverage new HTML5 features. About the Technology There's a real cost to inefficient HTTP requests, overloaded data streams and bulky scripts. Server throughput is a precious commodity and seconds—even tiny fractions of a second—can seem like an eternity while a visitor waits for your site to load. As an ASP.NET developer, there are dozens of techniques you can apply immediately to make your sites and applications faster. You'll find them here. About this Book *Fast ASP.NET Websites* delivers just what it promises—practical, hands-on guidance to create faster, more efficient ASP.NET sites and applications. This book offers step-by-step .NET-specific examples showing you how to apply classic page optimization tips, ASP.NET-specific techniques, and ways to leverage new HTML5 features. Readers should be familiar with basic HTML, CSS, and ASP.NET concepts. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Drastically improved response times Tips for Webforms and ASP.NET MVC sites Optimizing existing pages .NET-specific examples About the Author Dean Hume is a software developer and blogger based in the U.K. A passionate techie, he created the ASP.NET HTML5 toolkit and blogs regularly about web performance at www.deanhume.com. Table of Contents PART 1 DEFINING PERFORMANCE High-speed websites First steps toward a faster website PART 2 GENERAL PERFORMANCE BEST PRACTICES Compression Caching: The sell-by date Minifying and bundling static files HTML optimization tips Image optimization ETags Content Delivery Networks PART 3 ASP.NET-SPECIFIC TECHNIQUES Tweaking ASP.NET MVC performance Tweaking

ASP.NET Web Forms performance Data caching

High Performance Android Apps - Doug Sillars 2015-09-09

Annotation In a virtual sea of Android apps, the key to survival in the form of user engagement, referrals and purchases is simple: performance and perceived speed. But building a high performance app isn't easy in a fast-paced and rapidly changing environment where new devices, platforms and development tools are announced almost daily. This practical guide provides tools and tips that will help you take app performance to a new level. [Performance Optimization: Techniques And Strategies](#) - Smashing Magazine 2014-09-24

Slow loading times break the user experience of any website — no matter how well crafted it might be. In fact, it only takes three seconds until users lose their interest in a site if they don't get a response immediately. If another site happens to be 250ms faster than yours, then users are more inclined to switch to a competitor's website in no time. Web fonts, heavy JavaScript, third-party widgets — all of them can sum up to become a real performance bottleneck. Nevertheless, tracking that down does not only improve loading times but also results in a much snappier experience and a higher user engagement. In this eBook, we've compiled an entire selection of front-end and server-side techniques that will help you tackle such bottlenecks. Find out how to speed up existing websites, build high-performance sites (for both mobile and desktop), and prepare them for heavy-load situations. Furthermore, you'll learn more about how performance improvements and a 97-99 Google PageSpeed score were achieved on Smashing Magazine, as well as how optimization strategies can enhance real-life projects by taking a closer look at Pinterest's paint performance case study. With the help of this eBook, you'll notice that it's high time to dig deeper into your own site and examine it closely. Why don't you polish it up and make it even better than it already is! TABLE OF CONTENTS: - Improving Smashing Magazine's Performance: A

Case Study - How To Speed Up Your WordPress Website - You May Be Losing Users If Responsive Web Design Is Your Only Mobile Strategy - How To Make Your Websites Faster On Mobile Devices - Creating High-Performance Mobile Websites - Don't Get Crushed By The Load: Optimization Techniques And Strategies - Speed Up Your Mobile Website With Varnish - Cache Invalidation Strategies With Varnish Cache - Gone In 60 Frames Per Second: A Pinterest Paint Performance Case Study

High Performance JavaScript - Nicholas Zakas 2010-03-18

If you're like most developers, you rely heavily on JavaScript to build interactive and quick-responding web applications. The problem is that all of those lines of JavaScript code can slow down your apps. This book reveals techniques and strategies to help you eliminate performance bottlenecks during development. You'll learn how to improve execution time, downloading, interaction with the DOM, page life cycle, and more. Yahoo! frontend engineer Nicholas C. Zakas and five other JavaScript experts -- Ross Harmes, Julien Lecomte, Steven Levithan, Stoyan Stefanov, and Matt Sweeney -- demonstrate optimal ways to load code onto a page, and offer programming tips to help your JavaScript run as efficiently and quickly as possible. You'll learn the best practices to build and deploy your files to a production environment, and tools that can help you find problems once your site goes live. Identify problem code and use faster alternatives to accomplish the same task Improve scripts by learning how JavaScript stores and accesses data Implement JavaScript code so that it doesn't slow down interaction with the DOM Use optimization techniques to improve runtime performance Learn ways to ensure the UI is responsive at all times Achieve faster client-server communication Use a build system to minify files, and HTTP compression to deliver them to the browser *High Performance Web Sites* - Steve Souders 2007-09-11 Presents a collection of fourteen "rules" to help optimize the performance of a Web site.

Web Performance in Action - Jeremy Wagner 2016-12-22
Summary Web Performance in Action is your companion guide to making websites faster. You'll learn techniques that speed the delivery of your site's assets to the user, increase rendering speed, decrease the overall footprint of your site, as well as how to build a workflow that automates common optimization techniques. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Nifty features, hip design, and clever marketing are great, but your website will flop if visitors think it's slow. Network conditions can be unpredictable, and with today's sites being bigger than ever, you need to set yourself apart from the competition by focusing on speed. Achieving a high level of performance is a combination of front-end architecture choices, best practices, and some clever sleight-of-hand. This book will demystify all these topics for you. About the Book Web Performance in Action is your guide to making fast websites. Packed with "Aha!" moments and critical details, this book teaches you how to create performant websites the right way. You'll master optimal rendering techniques, tips for decreasing your site's footprint, and technologies like HTTP/2 that take your website's speed from merely adequate to seriously fast. Along the way, you'll learn how to create an automated workflow to accomplish common optimization tasks and speed up development in the process. What's Inside Foolproof performance-boosting techniques Optimizing images and fonts HTTP/2 and how it affects your optimization workflow About the Reader This book assumes that you're familiar with HTML, CSS, and JavaScript. Many examples make use of Git and Node.js. About the Author Jeremy Wagner is a professional front-end web developer with over ten years of experience. Foreword by Ethan Marcotte. Table of Contents Understanding web performance Using assessment tools Optimizing CSS Understanding critical CSS Making images responsive Going further with images Faster

fonts Keeping JavaScript lean and fast Boosting performance with service workers Fine-tuning asset delivery Looking to the future with HTTP/2 Automating optimization with gulp
High Performance Browser Networking - Ilya Grigorik 2013-09-11
How prepared are you to build fast and efficient web applications? This eloquent book provides what every web developer should know about the network, from fundamental limitations that affect performance to major innovations for building even more powerful browser applications—including HTTP 2.0 and XHR improvements, Server-Sent Events (SSE), WebSocket, and WebRTC. Author Ilya Grigorik, a web performance engineer at Google, demonstrates performance optimization best practices for TCP, UDP, and TLS protocols, and explains unique wireless and mobile network optimization requirements. You'll then dive into performance characteristics of technologies such as HTTP 2.0, client-side network scripting with XHR, real-time streaming with SSE and WebSocket, and P2P communication with WebRTC. Deliver superlative TCP, UDP, and TLS performance Speed up network performance over 3G/4G mobile networks Develop fast and energy-efficient mobile applications Address bottlenecks in HTTP 1.x and other browser protocols Plan for and deliver the best HTTP 2.0 performance Enable efficient real-time streaming in the browser Create efficient peer-to-peer videoconferencing and low-latency applications with real-time WebRTC transports
InfoWorld - 1999-11-29
InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.
High-Impact Tools for Teams - Stefano Mastrogiacomo 2021-03-09
Take advantage of a powerful visual management tool for teams as you work together and deliver great results. It's been used by thousands of teams for project success! 59% of U.S. workers say

that communication is their team's biggest obstacle to success, followed by accountability at 29% (Atlassian). High-Impact Tools for Teams explains a simple, powerful tool that helps team leaders and members align and get clarity on exactly who is responsible for each part of the team's most important activities and projects. The tool is complemented by 4 trust add-ons that help teams build trust and increase psychological safety, so every member can be confident in sharing ideas or concerns about obstacles the team may face. It's a proven tool for project teams, based on years of research, and thousands of teams are already using the Team Alignment Map to run effective "get-to-action meetings", give projects a good start and de-silo organizations. Co-author Alex Osterwalder is the international best-selling author who co-created the Business Model Canvas, a strategic management tool used by 1 million+ industry leaders globally. Plan as a team and know who does what Uncover and proactively remove the most likely obstacles to any project Boost team member contributions Run more effective team meetings Get more successful projects With the guidance of High-Impact Tools for Teams, you can be better prepared as a team leader or team member to plan effectively, reduce risks, and collaborate with others. Your team will be accountable and ready to deliver results!

Responsive & Fast - Guy Podjarny 2014-08

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HTML—downloads designed to let your web application adapt to different screen sizes. Podjarny presents a series of increasingly larger-scope solutions to each issue, including client-side techniques and RESS (Responsive + Server Side Components). Address performance issues by starting with Podjarny's default guidelines Use a JavaScript image loader and an image transcoding service to create Responsive Images Reduce JavaScript and CSS downloads with asynchronous scripts, conditional loading, and multi-viewpoint CSS Prioritize resources to avoid excess content in RWD and defer the load of any content that's not critical Explore server-side Adaptive Delivery and RESS solutions as an alternative to "pure" RWD Guy Podjarny, or Guypo for short, is the Chief Technology Officer (CTO) of Akamai's Web Experience business unit.

Research-based Web Design & Usability Guidelines - 2006

The guidelines were originally designed to help NCI staff improve the presentation of cancer-related information to cancer researchers and the public, though they are applicable to anyone who designs and manages information web sites.

Ultra-Fast ASP.NET 4.5 - Rick Kiessig 2012-09-30

Ultra-Fast ASP.NET 4.5 presents a practical approach to building fast and scalable web sites using ASP.NET and SQL Server. In addition to a wealth of tips, tricks and secrets, you'll find advice and code examples for all tiers of your application, including the client, caching, IIS 7.5, ASP.NET 4.5, threads, session state, SQL Server 2012 (otherwise known as Denali), Analysis Services, infrastructure and operations. By applying author Rick Kiessig's ultra-fast approach to your projects, you'll squeeze every last ounce of performance out of your code and infrastructure—giving your site unrivaled speed. Rather than drowning you in options, Ultra-Fast ASP.NET 4.5 presents and explains specific high-impact recommendations and demonstrates them with detailed examples. Using this knowledge, you will soon be building high-performance web sites that scale easily as your site grows. Apply

the key principles that will help you build Ultra-Fast and Ultra-Scalable web sites. Identify performance traps (such as with session state) and learn how to avoid them. Put into practice an end-to-end systems-based approach to web site performance and scalability, which includes everything from the browser and the network to caching, back-end operations, hardware infrastructure, and your software development process.

[Time Is Money](#) - Tammy Everts 2016-06

If you want to convince your organization to conduct a web performance upgrade, this concise book will strengthen your case. Drawing upon her many years of web performance research, author Tammy Everts uses cases studies and other data to explain how web page speed and availability affect a host of business metrics. You'll also learn how our human neurological need for quick, uncomplicated processes drives these metrics. Ideal for managers, this book's case studies demonstrate how Walmart, Staples.com, Mozilla, and other organizations significantly improved conversion rates through simple upgrades. Find out why happy customers return, while frustrated users can send your metrics—and your domain—into a tailspin. You'll explore: What happens neurologically when people encounter slow or interrupted processes How page speed affects metrics in retail and other industries, from media sites to SaaS providers Why internal applications are often slower than consumer apps, and how this hurts employee morale and productivity Common performance problems and the various technologies created to fight them How to pioneer new metrics, and create an organizational culture of performance

Pro Data Visualization Using R and JavaScript - Tom Barker 2013-06-17

Pro Data Visualization using R and JavaScript makes the R language approachable, and promotes the idea of data gathering and analysis. You'll see how to use R to interrogate and analyze your data, and then use the D3 JavaScript library to format and

display that data in an elegant, informative, and interactive way. You will learn how to gather data effectively, and also how to understand the philosophy and implementation of each type of chart, so as to be able to represent the results visually. With the popularity of the R language, the art and practice of creating data visualizations is no longer the preserve of mathematicians, statisticians, or cartographers. As technology leaders, we can gather metrics around what we do and use data visualizations to communicate that information. Pro Data Visualization using R and JavaScript combines the power of the R language with the simplicity and familiarity of JavaScript to display clear and informative data visualizations. Gathering and analyzing empirical data is the key to truly understanding anything. We can track operational metrics to quantify the health of our products in production. We can track quality metrics of our projects, and even use our data to identify bad code. Visualizing this data allows anyone to read our analysis and easily get a deep understanding of the story the data tells. What you'll learn A rich understanding of how to gather, and analyze empirical data How to tell a story with data using data visualizations What types of data visualizations are best to use for the story that you want to tell with your data A comprehensive introduction to the R language, covering all the essentials Exploration of how to construct interactive data visualizations using JavaScript and JavaScript libraries Who this book is for Developers at all levels interested in data visualization, beginning to intermediate engineering managers, statisticians, mathematicians, economists and any others interested in data visualization. Table of Contents Techniques for Data Visualization The R Language A Deeper Dive into R Data Visualization with D3 Visualizing Spatial Information from Access Logs (Data Maps) Visualizing Defects over Time (Time Series) Bar Charts Correlation Analysis with Team Dynamics (Scatterplot and Bubble Chart) Balancing Delivery with Quality (Parallel Coordinates Chart)

High Performance Python - Micha Gorelick 2020-04-30

Your Python code may run correctly, but you need it to run faster. Updated for Python 3, this expanded edition shows you how to locate performance bottlenecks and significantly speed up your code in high-data-volume programs. By exploring the fundamental theory behind design choices, High Performance Python helps you gain a deeper understanding of Python's implementation. How do you take advantage of multicore architectures or clusters? Or build a system that scales up and down without losing reliability? Experienced Python programmers will learn concrete solutions to many issues, along with war stories from companies that use high-performance Python for social media analytics, productionized machine learning, and more. Get a better grasp of NumPy, Cython, and profilers Learn how Python abstracts the underlying computer architecture Use profiling to find bottlenecks in CPU time and memory usage Write efficient programs by choosing appropriate data structures Speed up matrix and vector computations Use tools to compile Python down to machine code Manage multiple I/O and computational operations concurrently Convert multiprocessing code to run on local or remote clusters Deploy code faster using tools like Docker

Ultra-fast ASP.NET - Rick Kiessig 2010-08-11

Ultra-Fast ASP.NET presents a practical approach to building fast and scalable web sites using ASP.NET and SQL Server. In addition to a wealth of tips, tricks and secrets, you'll find advice and code examples for all tiers of your application, including the client, caching, IIS 7, ASP.NET, threads, session state, SQL Server, Analysis Services, infrastructure and operations. By applying the ultra-fast approach to your projects, you'll squeeze every last ounce of performance out of your code and infrastructure—giving your site unrivaled speed. The approach is mostly prescriptive; rather than drowning you in options, the book presents and explains specific high-impact

recommendations and demonstrates them with detailed examples. Using this knowledge, you will soon be building high-performance web sites that scale easily as your site grows.

High Performance Drupal - Jeff Sheltren 2013-10-14

How can you help your Drupal website continue to perform at the highest level as it grows to meet demand? This comprehensive guide provides best practices, examples, and in-depth explanations for solving several performance and scalability issues. You'll learn how to apply coding and infrastructure techniques to Drupal internals, application performance, databases, web servers, and performance analysis. Covering Drupal versions 7 and 8, this book is the ideal reference for everything from site deployment to implementing specific technologies such as Varnish, memcache, or Solr. If you have a basic understanding of Drupal and the Linux-Apache-MySQL-PHP (LAMP) stack, you're ready to get started. Establish a performance baseline and define goals for improvement Optimize your website's code and front-end performance Get best and worst practices for customizing Drupal core functionality Apply infrastructure design techniques to launch or expand a site Use tools to configure, monitor, and optimize MySQL performance Employ alternative storage and backend search options as your site grows Tune your web servers through httpd and PHP configuration Monitor services and perform load tests to catch problems before they become critical

High Performance Images - Colin Bendell 2016-11-03

High-quality images have an amazing power of attraction. Just add some stunning photos and graphics to your website or app and watch your user engagement and conversion numbers climb. It can be tricky, but with this practical guide, you'll master the many facets of delivering high performance images on the internet—without adversely affecting site performance. You'll learn the nuts and bolts of color theory, image formats, storage and management, operations delivery, browser and application

behavior, the responsive web, and many other topics. Ideal for developers, this book also provides useful tips, tricks, and practical theory for processing and displaying powerful images that won't slow down your online product. Explore digital image theory and the different formats available Dive into JPEGs, SVG and vector images, lossless compression, and other formats Use techniques for downloading and rendering images in a browser, and for loading images on mobile devices and cellular networks Examine specific rendering techniques, such as lazy loading, image processing, image consolidation, and responsive images Take responsive images to the next level by using content negotiation between browser and server with the Client Hints HTTP standard Learn how to operationalize your image workflow Contributors include Colin Bendell, Tim Kadlec, Yoav Weiss, Guy Podjarny, Nick Doyle, and Mike McCall from Akamai Technologies.

The Anarchist Cookbook - William Powell 2018-03-11

The Anarchist Cookbook will shock, it will disturb, it will provoke. It places in historical perspective an era when "Turn on, Burn down, Blow up" are revolutionary slogans of the day. Says the author "This book... is not written for the members of fringe political groups, such as the Weatherman, or The Minutemen. Those radical groups don't need this book. They already know everything that's in here. If the real people of America, the silent majority, are going to survive, they must educate themselves. That is the purpose of this book." In what the author considers a survival guide, there is explicit information on the uses and effects of drugs, ranging from pot to heroin to peanuts. There is detailed advice concerning electronics, sabotage, and surveillance, with data on everything from bugs to scramblers. There is a comprehensive chapter on natural, non-lethal, and lethal weapons, running the gamut from cattle prods to sub-machine guns to bows and arrows.

Network World - 2000-10-09

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

Even Faster Web Sites - Steve Souders 2009-06-04

Performance is critical to the success of any web site, and yet today's web applications push browsers to their limits with increasing amounts of rich content and heavy use of Ajax. In this book, Steve Souders, web performance evangelist at Google and former Chief Performance Yahoo!, provides valuable techniques to help you optimize your site's performance. Souders' previous book, the bestselling *High Performance Web Sites*, shocked the web development world by revealing that 80% of the time it takes for a web page to load is on the client side. In *Even Faster Web Sites*, Souders and eight expert contributors provide best practices and pragmatic advice for improving your site's performance in three critical categories: JavaScript—Get advice for understanding Ajax performance, writing efficient JavaScript, creating responsive applications, loading scripts without blocking other components, and more. Network—Learn to share resources across multiple domains, reduce image size without loss of quality, and use chunked encoding to render pages faster. Browser—Discover alternatives to iframes, how to simplify CSS selectors, and other techniques. Speed is essential for today's rich media web sites and Web 2.0 applications. With this book, you'll learn how to shave precious seconds off your sites' load times and make them respond even faster. This book contains six guest chapters contributed by Dion Almaer, Doug Crockford, Ben Galbraith, Tony Gentilcore, Dylan Schiemann, Stoyan Stefanov, Nicole Sullivan, and Nicholas C. Zakas.

UX for Lean Startups - Laura Klein 2018-11-16

Great user experiences (UX) are essential for products today, but designing one can be a lengthy and expensive process. With this practical, hands-on book, you'll learn how to do it faster and smarter using Lean UX techniques. UX expert Laura Klein shows you what it takes to gather valuable input from customers, build something they'll truly love, and reduce the time it takes to get your product to market. No prior experience in UX or design is necessary to get started. If you're an entrepreneur or an innovator, this book puts you right to work with proven tips and tools for researching, identifying, and designing an intuitive,

easy-to-use product. Determine whether people will buy your product before you build it Listen to your customers throughout the product's lifecycle Understand why you should design a test before you design a product Get nine tools that are critical to designing your product Discern the difference between necessary features and nice-to-haves Learn how a Minimum Viable Product affects your UX decisions Use A/B testing in conjunction with good UX practices Speed up your product development process without sacrificing quality