

Sitecore Developer Guide

An updated guide for those already versed in HTML explains how to use the programming language to work with frames, browser windows, Dynamic HTML, cookies, plug-ins, and Visual Tools.

Get Started Fast with Modern OpenGL ES Graphics Programming for iPhone, iPod touch, and iPad OpenGL ES technology underlies the user interface and graphical capabilities of Apple's iPhone, iPod touch, and iPad—as well as devices ranging from video-game consoles and aircraft-cockpit displays to non-Apple smartphones. In this friendly, thorough introduction, Erik M. Buck shows how to make the most of Open GL ES in Apple's iOS environment. This highly anticipated title focuses on modern, efficient approaches that use the newest versions of OpenGL ES, helping you avoid the irrelevant, obsolete, and misleading techniques that litter the Internet. Buck embraces Objective-C and Cocoa Touch, showing how to leverage Apple's powerful, elegant GLKit framework to maximize your productivity, achieve tight platform integration, and deliver exceptionally polished apps. If you've written C or C++ code and know object-oriented programming basics, this title brings together everything you need to fully master OpenGL ES graphics for iOS—including downloadable

examples specifically designed to jumpstart your own projects. Coverage includes • Understanding core OpenGL ES computer graphics concepts and iOS graphics architecture • Integrating Cocoa Touch with OpenGL ES to leverage the power of Apple's platform • Creating textures from start to finish: opacity, blending, multi-texturing, and compression • Simulating ambient, diffuse, and specular light • Using transformations to render 3D geometric objects from any point of view • Animating scenes by controlling time through application logic • Partitioning data to draw expansive outdoor scenes with rolling terrain • Detecting and handling user interaction with 3D geometry • Implementing special effects ranging from skyboxes to particles and billboards • Systematically optimizing graphics performance • Understanding the essential linear algebra concepts used in computer graphics • Designing and constructing a complete simulation that incorporates everything you've learned

Written by one of the leading experts in content managementsystems (CMS), this newly revised bestseller guides readers throughthe confusing-and often intimidating-task of building,implementing, running, and managing a CMS Updated to cover recent developments in online deliveriesystems, as well as XML and related technologies Reflects valuable input from CMS users who attended theauthor's workshops, conferences, and courses An essential reference

showing anyone involved in information delivery systems how to plan and implement a system that can handle large amounts of information and help achieve an organization's overall goals

Get the definitive guide on Gatsby, the JavaScript framework for building blazing fast websites and applications. Used by Nike, Costa Coffee, and other companies worldwide, Gatsby is emerging as one of the key technologies in the Jamstack (JavaScript, APIs, and markup) ecosystem. With this comprehensive guide, you'll learn how to architect, build, and deploy Gatsby sites independently or with CMSs, commerce systems, and other data sources. Author Preston So begins by showing you how to set up a Gatsby site from scratch. From there, you'll learn ways to use Gatsby's declarative rendering and GraphQL API, build complex offline-enabled sites, and continuously deploy Gatsby sites on a variety of platforms, including Gatsby Cloud. Discover how Gatsby integrates with many data sources and plug-ins Set up, configure, and architect Gatsby sites using Gatsby's CLI, React, JSX, and GraphQL with high performance out of the box Build an independent Gatsby site based on Markdown and data- and content-driven Gatsby sites that integrate with CMSs and commerce platforms Deploy Gatsby sites with full CI/CD and test coverage on a variety of platforms, including Netlify, Vercel, and Gatsby Cloud

C# 9 and .NET 5 – Modern Cross-Platform Development

Clean Architecture

Patterns, Principles, and Practices of Domain-Driven Design

Learning OpenGL ES for iOS

Azure Serverless Computing Cookbook

How to Create World-Class Agility, Reliability, and Security in Technology Organizations

Over 70 incredibly effective and practical recipes to get you up and running with Sitecore development
About This Book Build enterprise-level rich websites quickly and deliver the best possible content management to your website Get maximum usage of functionalities like different user interfaces, workflow, publishing, search, analytics, etc and learn different rendering techniques using presentation components for data bindings, events, handlers, schedulers, media, etc. Add a surprising amount of functionality just by customizing the Sitecore architecture through the best practices contained in this book Who This Book Is For If you are a Sitecore developer or a programmer who wants to expand your Sitecore development skills, this book is ideal for you. You will need working knowledge of ASP.NET WebForms or MVC, as well as HTML, and a basic knowledge of Sitecore installation. What You Will Learn Create, access, and personalize your website content using different Sitecore presentation components Learn how to extend the presentation components to fulfill some real-life requirements such as improving the site's performance, generating Rss feeds and so on Work with multiple websites on a single Sitecore instance and create multilingual websites Customize the Sitecore interfaces as per your business requirements to provide easier and error-free user interface to content authors to save time and improve accuracy Customize the Sitecore backend architecture

as per your business needs Automate tasks and achieve scalability by altering the development and configuration settings Integrate external systems with Sitecore to import or export content and secure user interactions Integrate the advanced features of analytics and personalization, to get the best possible customer experience and generate its reports In Detail This book will get you started on building rich websites, and customizing user interfaces by creating content management applications quickly. It will give you an insight into web designs and how to customize the Sitecore architecture as per your website's requirements using best practices. Packed with over 70 recipes to help you achieve and solve real-world common tasks, requirements, and the problems of content management, content delivery, and publishing instance environments. It also presents recipes on Sitecore's backend processes of customizing pipelines, creating custom event handler and media handler, setting hooks and more. Other topics covered include creating a workflow action, publishing sublayouts and media files, securing your environment by customizing user profiles and access rights, boosting search capabilities, optimising performance, scalability and high-availability of Sitecore instances and much more. By the end of this book, you will have be able to add virtually limitless features to your websites by developing and deploying Sitecore efficiently. Style and approach This easy-to-follow guide is full of hands-on recipes on real-world development tasks to improve your existing Sitecore system. Each topic is presented with its benefits and detailed steps to achieve it through well-explained code and images.

Over 50 recipes to help you build applications hosted on Serverless architecture using Azure Functions. About This Book Enhance Azure Functions with continuous deployment using Visual Studio Team Services Learn to deploy and manage cost-effective and highly available serverless applications using Azure Functions This recipe-based guide will teach you to build a robust serverless environment Who This Book Is For If you are a Cloud administrator, architect, or developer who wants to build scalable systems and deploy serverless

applications with Azure functions, then this book is for you. Prior knowledge and hands-on experience with core services of Microsoft Azure is required. What You Will Learn

- Develop different event-based handlers supported by serverless architecture supported by Microsoft Cloud Platform – Azure Integrate Azure Functions with different Azure Services to develop Enterprise-level applications
- Get to know the best practices in organizing and refactoring the code within the Azure functions
- Test, troubleshoot, and monitor the Azure functions to deliver high-quality, reliable, and robust cloud-centric applications
- Automate mundane tasks at various levels right from development to deployment and maintenance
- Learn how to develop stateful serverless applications and also self-healing jobs using Durable Functions

In Detail Microsoft provides a solution to easily run small segment of code in the Cloud with Azure Functions. Azure Functions provides solutions for processing data, integrating systems, and building simple APIs and microservices. The book starts with intermediate-level recipes on serverless computing along with some use cases on benefits and key features of Azure Functions. Then, we'll deep dive into the core aspects of Azure Functions such as the services it provides, how you can develop and write Azure functions, and how to monitor and troubleshoot them. Moving on, you'll get practical recipes on integrating DevOps with Azure functions, and providing continuous integration and continuous deployment with Visual Studio Team Services. It also provides hands-on steps and tutorials based on real-world serverless use cases, to guide you through configuring and setting up your serverless environments with ease. Finally, you'll see how to manage Azure functions, providing enterprise-level security and compliance to your serverless code architecture. By the end of this book, you will have all the skills required to work with serverless code architecture, providing continuous delivery to your users.

Style and approach This recipe-based guide explains the different features of Azure Function by taking a real-world application related to a specific domain. You will learn how to implement automation and DevOps and discover industry best practices to develop applications hosted on serverless architecture

using Azure functions.

Methods for managing complex software construction following the practices, principles and patterns of Domain-Driven Design with code examples in C# This book presents the philosophy of Domain-Driven Design (DDD) in a down-to-earth and practical manner for experienced developers building applications for complex domains. A focus is placed on the principles and practices of decomposing a complex problem space as well as the implementation patterns and best practices for shaping a maintainable solution space. You will learn how to build effective domain models through the use of tactical patterns and how to retain their integrity by applying the strategic patterns of DDD. Full end-to-end coding examples demonstrate techniques for integrating a decomposed and distributed solution space while coding best practices and patterns advise you on how to architect applications for maintenance and scale. Offers a thorough introduction to the philosophy of DDD for professional developers Includes masses of code and examples of concept in action that other books have only covered theoretically Covers the patterns of CQRS, Messaging, REST, Event Sourcing and Event-Driven Architectures Also ideal for Java developers who want to better understand the implementation of DDD

In *The Software Craftsman*, Sandro Mancuso explains what craftsmanship means to the developer and his or her organization, and shows how to live it every day in your real-world development environment. Mancuso shows how software craftsmanship fits with and helps students improve upon best-practice technical disciplines such as agile and lean, taking all development projects to the next level. Readers will learn how to change the disastrous perception that software developers are the same as factory workers, and that software projects can be run like factories.

Atomic Design

A Complete Guide to Solutions and Best Practices

ReactJS by Example - Building Modern Web Applications with React
The Definitive Guide to Squarespace
For Better Code, Performance, and Scalability
Gatsby: The Definitive Guide

Fully updated for Android Studio 3.0 and Android 8, the goal of this book is to teach the skills necessary to develop Android based applications using the Android Studio Integrated Development Environment (IDE), the Android 8 Software Development Kit (SDK) and the Java programming language. Beginning with the basics, this book provides an outline of the steps necessary to set up an Android development and testing environment. An overview of Android Studio is included covering areas such as tool windows, the code editor and the Layout Editor tool. An introduction to the architecture of Android is followed by an in-depth look at the design of Android applications and user interfaces using the Android Studio environment. More advanced topics such as database management, content providers and intents are also covered, as are touch screen handling, gesture recognition, camera access and the playback and recording of both video and audio. This edition of the book also covers printing, transitions and cloud-based file storage. The concepts of material design are also covered in detail, including the use of floating action buttons, Snackbars, tabbed interfaces, card views, navigation drawers and collapsing toolbars. In addition to covering general Android development techniques, the book also includes Google Play specific topics such as implementing maps using the Google Maps Android API, and submitting apps to the Google Play Developer Console. Other key features of

Android Studio 3 and Android 8 are also covered in detail including the Layout Editor, the ConstraintLayout and ConstraintSet classes, constraint chains and barriers, direct reply notifications and multi-window support. Chapters also cover advanced features of Android Studio such as App Links, Instant Apps, the Android Studio Profiler and Gradle build configuration. Assuming you already have some Java programming experience, are ready to download Android Studio and the Android SDK, have access to a Windows, Mac or Linux system and ideas for some apps to develop, you are ready to get started.

Get up and running with ReactJS by developing five cutting-edge and responsive projects About This Book Create pragmatic real-world applications while learning React and its modern developer tools Build sustainable user interfaces by transforming data into components of UI Learn how to generate reusable ReactJS components effectively Who This Book Is For If you are a web developer and wish to learn ReactJS from scratch, then this book is tailor-made for you. Good understanding of Javascript, HTML, and CSS is expected. What You Will Learn Create, reuse, and compose React components using JSX Share data between various React components and techniques for data flow within a React app Handle user interactions with the help of event handlers and dynamic components Set up and use various next generation ES2015/ES6 features with React Understand the performance and immutability features of React using React add-ons Learn the techniques of Animation in React Use data stores to store model-related data and information Create a flux-based React application by using Reflux library In Detail ReactJS is an open-source JavaScript library that brings the power of reactive

programming to web applications and sites. It aims to address the challenges encountered in developing single-page applications, and is intended to help developers build large, easily scalable and changing web apps. Starting with a project on Open Library API, you will be introduced to React and JSX before moving on to learning about the life cycle of a React component. In the second project, building a multi-step wizard form, you will learn about composite dynamic components and perform DOM actions. You will also learn about building a fast search engine by exploring server-side rendering in the third project on a search engine application. Next, you will build a simple frontpage for an e-commerce app in the fourth project by using data models and React add-ons. In the final project you will develop a complete social media tracker by using the flux way of defining React apps and know about the best practices and use cases with the help of ES6 and redux. By the end of this book, you will not only have a good understanding of ReactJS but will also have built your very own responsive frontend applications from scratch. Style and approach An easy-to-follow program to learn ReactJS with the help of real world projects. Each topic is explained within the context of a project and provides plenty of tips and tricks for using ReactJS.

Sitecore was recently recognized as one of the most reputable/ reliable web content management solutions (WCMS) in the marketplace. Thousands of companies use Sitecore to help manage their web and mobile digital properties. Sitecore is a very large, complex platform that performs many robust functions and capabilities. As such, marketers and end users often have a hard time coming up to speed on the technology. Practical Sitecore 8 Configuration and Strategy: A User

Guide for Sitecore's Content and Marketing Capabilities provides that opportunity. The flow of the book will take newbies step-by-step on how to configure Sitecore content, personalization, and marketing automation capabilities. Sprinkled in through the book will be callouts that highlight strategies and best practices—taking the book beyond just the “ how to ” step-by-step procedures that can be found elsewhere. Practical Sitecore 8 Configuration and Strategy: Brings you up to speed on Sitecore without requiring a training class. Provides the information in a clear, logical outline that takes users from simple, foundational concepts to more advanced concepts at the end. Rounds out existing sources of documentation with strategies and best practices from real-world experience. What You'll Learn How to manage content in Sitecore How to create web forms and landing pages How to optimize the site through personalization and A/B/N testing How to use Sitecore for your marketing campaigns How to leverage analytics for custom measurement/engagement strategies How to create a robust governance plan for your Sitecore properties Who This Book Is For The key target audience for this book are content administrators (content authoring, forms development, etc.) and digital marketers (campaigns, analytics, marketing automation, experience optimization, etc.) using the Sitecore platform.

“ Jam packed with insights from women in the field, ” this is an invaluable career guide for the aspiring or experienced female tech professional (Forbes) As the CEO of a startup, Tarah Wheeler is all too familiar with the challenges female tech professionals face on a daily basis. That ’ s why she ’ s teamed up with other high-achieving women within the field—from

entrepreneurs and analysts to elite hackers and gamers—to provide a roadmap for women looking to jump-start, or further develop, their tech career. In an effort to dismantle the unconscious social bias against women in the industry, Wheeler interviews professionals like Brianna Wu (founder, Giant Spacekat), Angie Chang (founder, Women 2.0), Keren Elazari (TED speaker and cybersecurity expert), Katie Cunningham (Python educator and developer), and Miah Johnson (senior systems administrator) about the obstacles they have overcome to do what they love. Their inspiring personal stories are interspersed with tech-focused career advice. Readers will learn:

- The secrets of salary negotiation
- The best format for tech resumes
- How to ace a tech interview
- The perks of both contracting (W-9) and salaried full-time work
- The secrets of mentorship
- How to start your own company
- And much more

BONUS CONTENT: Perfect for its audience of hackers and coders, *Women in Tech* also contains puzzles and codes throughout—created by Mike Selinker (Lone Shark Games), Gabby Weidling (Lone Shark Games), and cryptographer Ryan “LostboY” Clarke—that are love letters to women in the industry. A distinguished anonymous contributor created the Python code for the cover of the book, which references the mother of computer science, Ada Lovelace. Run the code to see what it does!

Web Content Management

Build intelligent apps, websites, and services with Blazor, ASP.NET Core, and Entity Framework Core using Visual Studio Code

Modern Web Development

Practical Sitecore 8 Configuration and Strategy

Take Your Career to the Next Level with Practical Advice and Inspiring Stories

Master powerful new approaches to web architecture, design, and user experience. This book presents a pragmatic, problem-driven, user-focused approach to planning, designing, and building dynamic web solutions. You ' ll learn how to gain maximum value from Domain-Driven Design (DDD), define optimal supporting architecture, and succeed with modern UX-first design approaches. The author guides you through choosing and implementing specific technologies and addresses key user-experience topics, including mobile-friendly and responsive design. You ' ll learn how to gain more value from existing Microsoft technologies such as ASP.NET MVC and SignalR by using them alongside other technologies such as Bootstrap, AJAX, JSON, and JQuery. By using these techniques and understanding the new ASP.NET Core 1.0, you can quickly build advanced web solutions that solve today ' s problems and deliver an outstanding user experience. Microsoft MVP Dino Esposito shows you how to: Plan websites and web apps to mirror real-world social and business processes Use DDD to dissect and master the complexity of business domains Use UX-Driven Design to reduce costs and give customers what they want Realistically compare server-side and client-side web paradigms Get started with the new ASP.NET Core 1.0 Simplify modern visual webpage construction with Bootstrap Master practical, efficient techniques for running ASP.NET MVC projects Consider new options for implementing persistence and working with data models Understand Responsive Web

Design ' s pros, cons, and tradeoffs Build truly mobile-friendly, mobile-optimized websites About This Book For experienced developers and solution architects who want to plan and develop web solutions more effectively Assumes basic familiarity with the Microsoft web development stack

Over 70 incredibly effective and practical recipes to get you up and running with Sitecore development About This Book- Build enterprise-level rich websites quickly and deliver the best possible content management to your website- Get maximum usage of functionalities like different user interfaces, workflow, publishing, search, analytics, etc and learn different rendering techniques using presentation components for data bindings, events, handlers, schedulers, media, etc.- Add a surprising amount of functionality just by customizing the Sitecore architecture through the best practices contained in this book Who This Book Is For If you are a Sitecore developer or a programmer who wants to expand your Sitecore development skills, this book is ideal for you. You will need working knowledge of ASP.NET WebForms or MVC, as well as HTML, and a basic knowledge of Sitecore installation. What You Will Learn- Create, access, and personalize your website content using different Sitecore presentation components- Learn how to extend the presentation components to fulfill some real-life requirements such as improving the site's performance, generating Rss feeds and so on- Work with multiple websites on a single Sitecore instance and create multilingual websites- Customize the Sitecore interfaces as per your business requirements to provide easier and error-free user interface to content authors to save time and improve accuracy- Customize the Sitecore backend architecture as per

your business needs- Automate tasks and achieve scalability by altering the development and configuration settings- Integrate external systems with Sitecore to import or export content and secure user interactions- Integrate the advanced features of analytics and personalization, to get the best possible customer experience and generate its reports

In DetailThis book will get you started on building rich websites, and customizing user interfaces by creating content management applications quickly. It will give you an insight into web designs and how to customize the Sitecore architecture as per your website's requirements using best practices.Packed with over 70 recipes to help you achieve and solve real-world common tasks, requirements, and the problems of content management, content delivery, and publishing instance environments. It also presents recipes on Sitecore's backend processes of customizing pipelines, creating custom event handler and media handler, setting hooks and more. Other topics covered include creating a workflow action, publishing sublayouts and media files, securing your environment by customizing user profiles and access rights, boosting search capabilities, optimising performance, scalability and high-availability of Sitecore instances and much more.By the end of this book, you will have be able to add virtually limitless features to your websites by developing and deploying Sitecore efficiently.

Style and approachThis easy-to-follow guide is full of hands-on recipes on real-world development tasks to improve your existing Sitecore system. Each topic is presented with its benefits and detailed steps to achieve it through well-explained code and images. A step-by-step tutorial with plenty of code and examples to improve your learning

curve. If you are a developer and want to create installers for software targeting the Windows platform, then this book is for you. You'll be using plenty of XML and ought to know the basics of writing a well-formed document. No prior experience in WiX or Windows Installer is assumed. You should know your way around Visual Studio to compile projects, add project references and tweak project properties.

Professional Sitecore Development offers comprehensive information for programmers learning the CMS and experienced Sitecore developers alike. This guidance can help your organization minimize implementation cost and time to web, increasing revenue while decreasing IT costs. With this book, you will learn how to implement solutions with Sitecore, how the Sitecore architecture enhances the ASP.NET development process, how to use Sitecore ' s extensive Application Programming Interfaces, and how to deploy the website. Professional Sitecore Development provides coverage on a range of topics including: Installing and configuring Sitecore Implementing an information architecture and transforming content into web pages Using the Sitecore security infrastructure, managing errors, and testing automatically Managing Sitecore projects, optimizing performance, and scaling Sitecore solutions Tips, tricks, and best practices for working with the CMS Extending Sitecore and integrating external systems, including coverage of configuration, events, pipelines, and Sitecore ' s user interface technology If you're looking for a solution for web content management, then Sitecore is your answer and this book will get you started using this valuable software today.

The DevOps Handbook

A Modern Introduction to Programming

Understanding domains, technologies, and user experience

WiX 3.6 - A Developer's Guide to Windows Installer XML

Pro .NET Memory Management

Android Studio 3.0 Development Essentials - Android 8 Edition

Provides information and examples on writing JavaScript code, covering such topics as syntax, control, data, regular expressions, and scripting.

Understand .NET memory management internal workings, pitfalls, and techniques in order to effectively avoid a wide range of performance and scalability problems in your software. Despite automatic memory management in .NET, there are many advantages to be found in understanding how .NET memory works and how you can best write software that interacts with it efficiently and effectively. Pro .NET Memory Management is your comprehensive guide to writing better software by understanding and working with memory management in .NET. Thoroughly vetted by the .NET Team at Microsoft, this book contains 25 valuable troubleshooting

scenarios designed to help diagnose challenging memory problems. Readers will also benefit from a multitude of .NET memory management "rules" to live by that introduce methods for writing memory-aware code and the means for avoiding common, destructive pitfalls. What You'll Learn Understand the theoretical underpinnings of automatic memory management Take a deep dive into every aspect of .NET memory management, including detailed coverage of garbage collection (GC) implementation, that would otherwise take years of experience to acquire Get practical advice on how this knowledge can be applied in real-world software development Use practical knowledge of tools related to .NET memory management to diagnose various memory-related issues Explore various aspects of advanced memory management, including use of Span and Memory types Who This Book Is For .NET developers, solution architects, and performance engineers

Publisher's Note: Microsoft will stop supporting .NET 5 in early May 2022. A new edition of this book is available that

uses .NET 6 (an LTS release with support up until November 2024), C# 10, and Visual Studio 2022, as well as Visual Studio Code. Key Features • Explore the newest additions to C# 9, the .NET 5 class library, Entity Framework Core and Blazor • Strengthen your command of ASP.NET Core 5.0 and create professional websites and services • Build cross-platform apps for Windows, macOS, Linux, iOS, and Android

Book Description In C# 9 and .NET 5 - Modern Cross-Platform Development, Fifth Edition, expert teacher Mark J. Price gives you everything you need to start programming C# applications. This latest edition uses the popular Visual Studio Code editor to work across all major operating systems. It is fully updated and expanded with a new chapter on the Microsoft Blazor framework. The book's first part teaches the fundamentals of C#, including object-oriented programming and new C# 9 features such as top-level programs, target-typed new object instantiation, and immutable types using the record keyword. Part 2 covers the .NET APIs, for performing tasks like managing and querying

data, monitoring and improving performance, and working with the file system, async streams, serialization, and encryption. Part 3 provides examples of cross-platform apps you can build and deploy, such as websites and services using ASP.NET Core or mobile apps using Xamarin.Forms. The best type of application for learning the C# language constructs and many of the .NET libraries is one that does not distract with unnecessary application code. For that reason, the C# and .NET topics covered in Chapters 1 to 13 feature console applications. In Chapters 14 to 20, having mastered the basics of the language and libraries, you will build practical applications using ASP.NET Core, Model-View-Controller (MVC), and Blazor. By the end of the book, you will have acquired the understanding and skills you need to use C# 9 and .NET 5 to create websites, services, and mobile apps. What you will learn

- Build your own types with object-oriented programming
- Query and manipulate data using LINQ
- Build websites and services using ASP.NET Core 5
- Create intelligent apps using machine learning
- Use Entity

Framework Core and work with relational databases • Discover Windows app development using the Universal Windows Platform and XAML • Build rich web experiences using the Blazor framework • Build mobile applications for iOS and Android using Xamarin.Forms Who this book is for This book is best for C# and .NET beginners, or programmers who have worked with C# in the past but feel left behind by the changes in the past few years. This book doesn't expect you to have any C# or .NET experience; however, you should have a general understanding of programming. Students and professionals with a science, technology, engineering, or mathematics (STEM) background can certainly benefit from this book.

Table of Contents • Hello, C#! Welcome, .NET Core! • Speaking C# • Controlling Flow and Converting Types • Writing, Debugging, and Testing Functions • Building Your Own Types with Object-Oriented Programming • Implementing Interfaces and Inheriting Classes • Understanding and Packaging .NET Types • Working with Common .NET Types • Working with Files, Streams, and Serialization (N.B. Please

use the Look Inside option to see further chapters) Review "Mark Price's extraordinary book covers every aspect of C# 9 and .NET 5. It is filled with step-by-step demonstrations and will be of tremendous value both to those who want to learn C# and to more experienced C# programmers making the transition to C# 9. Highly recommended!" -- Jesse Liberty - author of Programming C# and Learning C# (O'Reilly Media)

Utilize the power of Squarespace to create custom professional websites. Learn the principles and tools used by Squarespace's most successful web professionals to take your skills to the next level. Beginning with an overview of the Squarespace interface and template selection guidelines, this book shows you how the key web languages work together within Squarespace. You'll also see how to use the Custom CSS Editor, Code Injections, and Code Blocks to customize Squarespace templates and how the Style Editor selections affect the template's structure. Learn the accommodations that must be made in JavaScript for the customizations to work correctly in AJAX-based templates. Finally, discover

what Developer Mode is, how to use it, and when to use it.
The Definitive Guide to Squarespace is the only book you
need to get up and running with Squarespace web development.
What You'll Learn Choose the right selectors for your CSS or
JavaScript customization. Understand what AJAX is and how it
impacts the templates that use it. Explore the structure of
Squarespace templates Who This Book Is For Web designers,
developers, digital marketers, and advanced personal-use
users

Design for Real Life

Technology Media Source

Eloquent JavaScript

The Software Craftsman

From 101 to production with Docker on Windows, 2nd Edition

Value Beyond Cost Savings: How to Underwrite Sustainable
Properties

Practical Software Architecture Solutions from the Legendary Robert C.
Martin ("Uncle Bob") By applying universal rules of software
architecture, you can dramatically improve developer productivity

throughout the life of any software system. Now, building upon the success of his best-selling books *Clean Code* and *The Clean Coder*, legendary software craftsman Robert C. Martin ("Uncle Bob") reveals those rules and helps you apply them. Martin's *Clean Architecture* doesn't merely present options. Drawing on over a half-century of experience in software environments of every imaginable type, Martin tells you what choices to make and why they are critical to your success. As you've come to expect from Uncle Bob, this book is packed with direct, no-nonsense solutions for the real challenges you'll face—the ones that will make or break your projects. Learn what software architects need to achieve—and core disciplines and practices for achieving it Master essential software design principles for addressing function, component separation, and data management See how programming paradigms impose discipline by restricting what developers can do Understand what's critically important and what's merely a "detail" Implement optimal, high-level structures for web, database, thick-client, console, and embedded applications Define appropriate boundaries and layers, and organize components and services See why designs and architectures go wrong, and how to prevent (or fix) these failures *Clean Architecture* is essential reading for every current or aspiring software architect, systems analyst, system designer, and software manager—and for every programmer who must execute someone

else's designs. Register your product for convenient access to downloads, updates, and/or corrections as they become available. Write code that can adapt to changes. By applying this book's principles, you can create code that accommodates new requirements and unforeseen scenarios without significant rewrites. Gary McLean Hall describes Agile best practices, principles, and patterns for designing and writing code that can evolve more quickly and easily, with fewer errors, because it doesn't impede change. Now revised, updated, and expanded, *Adaptive Code, Second Edition* adds indispensable practical insights on Kanban, dependency inversion, and creating reusable abstractions. Drawing on over a decade of Agile consulting and development experience, McLean Hall has updated his best-seller with deeper coverage of unit testing, refactoring, pure dependency injection, and more. Master powerful new ways to:

- Write code that enables and complements Scrum, Kanban, or any other Agile framework
- Develop code that can survive major changes in requirements
- Plan for adaptability by using dependencies, layering, interfaces, and design patterns
- Perform unit testing and refactoring in tandem, gaining more value from both
- Use the "golden master" technique to make legacy code adaptive
- Build SOLID code with single-responsibility, open/closed, and Liskov substitution principles
- Create smaller interfaces to support more-diverse client and architectural needs

Leverage dependency injection best practices to improve code adaptability • Apply dependency inversion with the Stairway pattern, and avoid related anti-patterns About You This book is for programmers of all skill levels seeking more-practical insight into design patterns, SOLID principles, unit testing, refactoring, and related topics. Most readers will have programmed in C#, Java, C++, or similar object-oriented languages, and will be familiar with core procedural programming techniques.

Site analysis is the key to a well-designed project. In fact, the careful and complete analysis of a site and its surrounding context can lead to better development proposals, smoother design implementation, and, ultimately, higher quality built environments. This carefully conceived book is the first to detail each crucial step in the site analysis and planning process, from site selection through design development. It shows how these activities are integrated to arrive at a site plan that successfully balances the needs of the client and other stakeholders with the site's suitability for the intended land uses. With more than 130 illustrations, this book includes many outstanding examples of maps and site plans created by leading land planning firms. It offers guidance on:

- * Site identification, evaluation, and selection
- * Site inventories of physical, biological, and cultural attributes
- * Land use suitability

analysis using Geographic Information Systems (GIS) * Concept planning and design development * Graphic communication with clients, government agencies, and other stakeholders Filled with need-to-know information on the entire land planning and design process, Site Analysis is a vital addition to the library of students and professionals in landscape architecture, urban design and planning, and related areas. This book will fill a void in the academic market by offering a comprehensive introduction to all stages of the site analysis process. The Second Edition of Site Analysis will detail each phase of the land planning and site design process, explain the influence of site and contextual conditions on land use development and conservation decisions. It will also provide a valuable resource for professionals seeking design solutions for successful land use. Content from this book is available as an online continuing professional education course at http://www.wiley.com/WileyCDA/Section/id-320255.html#sustainable_site. WileyCPE courses are available on demand, 24 hours a day, and are approved by the American Institute of Architects.

You can't always predict who will use your products, or what emotional state they'll be in when they do. But by identifying stress cases and designing with compassion, you'll create experiences that support more of your users, more of the time.--Back cover.

The Web Project Guide

Learn to Deliver Custom, Professional Web Experiences for Yourself and Your Clients

An Essential Guide for Goths and Those Who Love Them

The 12 Week Year Field Guide

Adaptive Code

The Big Nerd Ranch Guide

At a time when nearly every vertical, regardless of domain, seems to need software running in the cloud to make money, microservices provide the agility and drastically reduced time to market you require. This hands-on guide shows you how to create, test, compile, and deploy microservices, using the ASP.NET Core free and open-source framework. Along the way, you'll pick up good, practical habits for building powerful and robust services. Building microservices isn't about learning a specific framework or programming language; it's about building applications that thrive in elastically scaling environments that don't have host affinity, and that can start and stop at a moment's notice. This practical book guides you through the process. Learn test-driven and API-first development concepts
Communicate with other services by creating and consuming

backing services such as databases and queues Build a microservice that depends on an external data source Learn about event sourcing, the event-centric approach to persistence Use ASP.NET Core to build web applications designed to thrive in the cloud Build a service that consumes, or is consumed by, other services Create services and applications that accept external configuration Explore ways to secure ASP.NET Core microservices and applications

Over 40 recipes to help you create real-time JavaScript applications using the robust Socket.IO framework About This Book Create secure WebSocket connections and real-time mobile applications using Socket.IO Devise efficient messaging systems between the server side and the client side A step-by-step implementation guide to help you create elements of Socket.IO application Who This Book Is For If you have some knowledge of JavaScript and Node.js and want to create awe-inspiring application experiences using real time communication, then this book is for you. Developers with knowledge of other scripting languages should also be able to easily follow along. What You Will Learn Build rich and interactive real-time dashboards using

Socket.IO to pipe in data as it becomes available Design chat and multiple-person interfaces that leverage Socket.IO for communication Segment conversations to rooms and namespaces so that every socket doesn't have to receive every message Secure your data by implementing various authentication techniques, locking down the HTTP referrer and using secure WebSockets Load balance across multiple server-side nodes and keep your WebSockets in sync using Redis, RabbitMQ or Memcached Stream binary data such as audio and video in real-time over a Socket.IO connection Create real-time experiences outside of the browser by integrating Socket.IO with hybrid mobile applications In Detail Socket.IO is a JavaScript library that provides you with the ability to implement real-time analytics, binary streaming, instant messaging, and document collaboration. It has two parts: a client-side library that runs in the browser, and a server-side library for node.js. Socket.IO is event-driven and primarily uses the WebSocket protocol that allows us to emit data bi-directionally from the server and the client. Socket.IO This book is a complete resource, covering topics from webSocket security to scaling the server-side of a Socket.IO application

and everything in between. This book will provide real-world examples of how secure bi-directional, full-duplex connections that can be created using Socket.IO for different environments. It will also explain how the connection vulnerabilities can be resolved for large numbers of users and huge amounts of data/messages. By the end of the book, you will be a competent Socket.IO developer. With the help of the examples and real-world solutions, you will learn to create fast, scalable, and dynamic real-time apps by creating efficient messaging systems between the server side and the client side using Socket.IO.

Style and approach This book is written in a cookbook-style format and provides practical, immediately usable task-based recipes that show you how to create the elements of a Socket.IO application.

Structure templates and content within Sitecore, work with integrated tools, and leverage its extensive automation capabilities. Sitecore was recently recognized as one of the most reputable and reliable, enterprise-class web content management solutions (WCMS) available in the marketplace. Thousands of companies are using Sitecore to manage their

digital experiences online. Because Sitecore is such a large, complex platform, developers often have a hard time coming up to speed, even after completing a Sitecore training course for developers. However, leveraging the design patterns and other practices laid out in this book will make that transition much easier. Professional Sitecore 8 Development provides a soup-to-nuts approach for a Sitecore rookie to come up to speed quickly, as well as provide more advanced techniques for seasoned veterans that they may not be exposed to otherwise. Key coverage areas include: Getting started with Sitecore development Front-end development techniques Incorporating design patterns into your Sitecore solutions Unit testing Sitecore applications Programming Sitecore's marketing capabilities Sitecore automation with PowerShell Advanced development techniques What you'll learn Develop solutions on the Sitecore platform Come up to speed on Sitecore without going through a training class Build front-end (HTML, CSS, Angular, etc.) solutions as well as back-end (C#) solutions on Sitecore Incorporate design patterns into your Sitecore solutions Make use of advanced Sitecore development techniques Who This Book Is For The book is a

developer's companion, both front end and back end developers. The target audience is both developers who have zero Sitecore experience, as well as seasoned veterans looking for advanced best practices. A secondary audience would be Sitecore administrators who would benefit from discussions around performance tuning and security.

Containers are a new way to run software. They're efficient, secure and portable. You can run apps in Docker with no code changes. Docker helps to meet the biggest challenges in IT: modernizing legacy apps, building new apps, moving to the cloud, adopting DevOps and staying innovative. This book teaches all you need to know about Docker on Windows.

Socket.IO Cookbook

Swift Programming

JavaScript for the World Wide Web

Sitecore Cookbook for Developers

Professional Sitecore Development

Gothic Charm School

Increase profitability, elevate work culture, and exceed productivity goals through DevOps practices. More than ever, the effective

management of technology is critical for business competitiveness. For decades, technology leaders have struggled to balance agility, reliability, and security. The consequences of failure have never been greater?whether it's the healthcare.gov debacle, cardholder data breaches, or missing the boat with Big Data in the cloud. And yet, high performers using DevOps principles, such as Google, Amazon, Facebook, Etsy, and Netflix, are routinely and reliably deploying code into production hundreds, or even thousands, of times per day. Following in the footsteps of The Phoenix Project, The DevOps Handbook shows leaders how to replicate these incredible outcomes, by showing how to integrate Product Management, Development, QA, IT Operations, and Information Security to elevate your company and win in the marketplace.

This book teaches you all the essential knowledge required to learn and apply time-proven SOLID principles of object-oriented design and important design patterns in ASP.NET Core 1.0 (formerly ASP.NET 5) applications. You will learn to write server-side as well as client-side code that makes use of proven practices and patterns. SOLID is an acronym popularized by Robert Martin used to describe five basic principles of good object-oriented design--Single Responsibility, Open/Closed, Liskov Substitution, Interface Segregation and Dependency Inversion. This book covers all five principles and illustrates how

they can be used in ASP.NET Core 1.0 applications. Design Patterns are time proven solutions to commonly occurring software design problems. The most well-known catalog of design patterns comes from Erich Gamma, Richard Helm, Ralph Johnson and John Vlissides, the so-called as GoF patterns (Gang of Four patterns). This book contains detailed descriptions of how to apply Creational, Structural and Behavioral GoF design patterns along with some Patterns of Enterprise Application Architecture. Popular JavaScript patterns are covered, along with working examples of all these patterns in ASP.NET Core 1.0 and C# are included. What You Will Learn: How to apply SOLID principles to ASP.NET applications How to use Gang of Four (GoF) design patterns in ASP.NET applications Techniques for applying Patterns of Enterprise Application Architecture cataloged by Martin Fowler in ASP.NET applications How to organize code and apply design patterns in JavaScript Who This Book Is For: This book is for ASP.NET developers familiar with ASP.NET Core 1.0, C# and Visual Studio.

An essential, fully illustrated guidebook to day-to-day Goth living There's more to being a Goth than throwing on some black velvet, dyeing your hair, and calling it a day (or a night). How do you dress with morbid flair when going to a job interview? Is there such a thing as growing too old to be a Goth? How do you explain to your grandma that it's not just a phase? Jillian Venters, a.k.a. "the Lady of the

Manners," knows how to be strange and unusual without sacrificing politeness and etiquette. In Gothic Charm School, she offers the quintessential guide to dark decorum for all those who have ever searched for beauty in dark, unexpected places, embraced their individuality, and reveled in decadence . . . and for families and friends who just don't understand.

Update your thinking and avoid complacency with the 12 week year Are you ready to change your life? This hands-on template for implementing advice from the game-changing book The 12 Week Year is a study guide that makes it easy for anyone to apply the 12 week year to their own lives. Instead of getting bogged down in annualized thinking that produces pitfalls and saps productivity, follow along with this guide to redefine your "year" to be just 12 weeks long. By doing so, you'll avoid complacency, begin to focus on what matters most, create better clarity, and develop a sense of urgency so that "now" is always the right time to act. Applicable to business growth, career goals, and life in general, the 12 week plan will help you improve in any-or every-area. By closing the "knowing-doing gap," you'll discover how to execute on what you already know and greatly expand the boundaries of your capabilities. Learn to: Create your personal and business visions with step-by-step tips Develop your own 12 week plan by applying what you know to what you do Put over 10 years of field-tested content,

exercises, and templates to work for you Build a 12 week commitment and apply the system to your own life and business Take back your life, improve your thinking, and advance your business or career by implementing real-world, hands-on methods in The 12 Week Year Study Guide.

Agile coding with design patterns and SOLID principles

A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Seventh Edition and The Standard for Project Management (BRAZILIAN PORTUGUESE)

A User Guide for Sitecore's Content and Marketing Capabilities Systems, Features, and Best Practices

A Craftsman's Guide to Software Structure and Design Professionalism, Pragmatism, Pride

Looking to select a web content management system (CMS), but confused about the promises, terminology, and buzzwords? Do you want to understand content management without having to dive into the underlying programming? This book provides a clear, unbiased overview of the entire CMS ecosystem—from platforms to implementations—in a language- and platform-agnostic manner for project managers, executives, and new developers alike. Author Deane Barker, a CMS consultant with almost two decades of experience, helps you explore many different systems, technologies, and platforms. By the end of the

book, you'll have the knowledge necessary to make decisions about features, architectures, and implementation methods to ensure that your project solves the right problems. Learn what content is, how to compare different systems, and what the roles of a CMS team are Understand how a modern CMS models and aggregates content, coordinates workflow, and manages assets Explore the scope and structure of a CMS implementation project Learn the process and best practices for successfully running your CMS implementation Examine the practice of migrating web content, and learn how to work with an external CMS integrator

PMBOK® Guide is the go-to resource for project management practitioners. The project management profession has significantly evolved due to emerging technology, new approaches and rapid market changes. Reflecting this evolution, The Standard for Project Management enumerates 12 principles of project management and the PMBOK® Guide – Seventh Edition is structured around eight project performance domains. This edition is designed to address practitioners' current and future needs and to help them be more proactive, innovative and nimble in enabling desired project outcomes. This edition of the PMBOK® Guide:

- Reflects the full range of development approaches (predictive, adaptive, hybrid, etc.);
- Provides an entire section devoted to tailoring the development approach and

processes; •Includes an expanded list of models, methods, and artifacts; •Focuses on not just delivering project outputs but also enabling outcomes; and • Integrates with PMI standards+™ for information and standards application content based on project type, development approach, and industry sector.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Through the authors' carefully constructed explanations and examples, you will develop an understanding of Swift grammar and the elements of effective Swift style. This book is written for Swift 3.0 and will also show you how to navigate Xcode 8 and get the most out of Apple's documentation. Throughout the book, the authors share their insights into Swift to ensure that you understand the hows and whys of Swift and can put that understanding to use in different contexts. After working through the book, you will have the knowledge and confidence to develop your own solutions to a wide range of programming challenges using Swift.

Building Microservices with ASP.NET Core

Professional Sitecore 8 Development

Beginning SOLID Principles and Design Patterns for ASP.NET Developers

Women in Tech

Get More Done In 12 Weeks Than Others Do In 12 Months

Department of Defense Dictionary of Military and Associated Terms