

Writing Secure Code 2nd Edition Developer Best Practices

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Python for Kids "O'Reilly Media, Inc."

A young archeologist tormented by dreams is forced to face a past she never knew existed. Little did she know the dreams were connected to a very real life 12th century Scottish highlander is own his own mission, a mission what will turn her comfortable life upside down. When past and present unite, hearts collide

[98 Rules for Developing Safe, Reliable, and Secure Systems](#) McGraw Hill Professional

A comprehensive guide to programming with network sockets, implementing Internet protocols, designing IoT devices, and much more with C Key Features Leverage your C or C++ programming skills to build powerful network applications Get to grips with a variety of network protocols that allow you to load web pages, send emails, and do much more Write portable network code for operating systems such as Windows, Linux, and macOS Book Description Network programming, a challenging topic in C, is made easy to understand with a careful exposition of socket programming APIs. This book gets you started with modern network programming in C and the right use of relevant operating system APIs. This book covers core concepts, such as hostname resolution with DNS, that are crucial to the functioning of the modern web. You'll delve into the fundamental network protocols, TCP and UDP. Essential techniques for networking paradigms such as client-server and peer-to-peer models are explained with the help of practical examples. You'll also study HTTP and HTTPS (the protocols responsible for web pages) from both the client and server perspective. To keep up with current trends, you'll apply the concepts covered in this book to gain insights into web programming for IoT. You'll even get to grips with network monitoring and implementing security best practices. By the end of this book, you'll have experience of working with client-server applications, and be able to implement new network programs in C. The code in this book is compatible with the older C99 version as well as the latest C18 and C++17 standards. Special consideration is given to writing robust, reliable, and secure code that is portable across operating systems, including Winsock sockets for Windows and POSIX sockets for Linux and macOS. What you will learn Uncover cross-platform socket programming APIs Implement techniques for supporting IPv4 and IPv6 Understand how TCP and UDP connections work over IP Discover how hostname resolution and DNS work Interface with web APIs using HTTP and HTTPS Acquire hands-on experience with Simple Mail Transfer Protocol (SMTP) Apply network programming to the Internet of Things (IoT) Who this book is for If you're a developer or a system administrator who wants to enter the world of network programming, this book is for you. Basic knowledge of C programming is assumed.

[Principles and Practices](#) Writing Secure Code

Delve into the threat modeling methodology used by Microsoft's security experts to identify security risks, verify an application's security architecture, and develop countermeasures in the design, coding, and testing phases. (Computer Books)

[I'll Get That Job!](#) ReadHowYouWant.com

Keep black-hat hackers at bay with the tips and techniques in this entertaining, eye-opening book! Developers will learn how to padlock their applications throughout the entire development process—from designing secure applications to writing robust code that can withstand repeated attacks to testing applications for security flaws. Easily digested chapters reveal proven principles, strategies, and coding techniques. The authors—two battle-scarred veterans who have solved some of the industry's toughest security problems—provide sample code in several languages. This edition includes updated information about threat modeling, designing a security process, international issues, file-system issues, adding privacy to applications, and performing security code reviews. It

also includes enhanced coverage of buffer overruns, Microsoft .NET security, and Microsoft ActiveX development, plus practical checklists for developers, testers, and program managers.

[24 Deadly Sins of Software Security: Programming Flaws and How to Fix Them](#) Spaulding House

With the spread of web-enabled desktop clients and web-server based applications, developers can no longer afford to treat security as an afterthought. It's one topic, in fact, that .NET forces you to address, since Microsoft has placed security-related features at the core of the .NET Framework. Yet, because a developer's carelessness or lack of experience can still allow a program to be used in an unintended way, Programming .NET Security shows you how the various tools will help you write secure applications. The book works as both a comprehensive tutorial and reference to security issues for .NET application development, and contains numerous practical examples in both the C# and VB.NET languages. With Programming .NET Security, you will learn to apply sound security principles to your application designs, and to understand the concepts of identity, authentication and authorization and how they apply to .NET security. This guide also teaches you to: use the .NET run-time security features and .NET security namespaces and types to implement best-practices in your applications, including evidence, permissions, code identity and security policy, and role based and Code Access Security (CAS) use the .NET cryptographic APIs , from hashing and common encryption algorithms to digital signatures and cryptographic keys, to protect your data. use COM+ component services in a secure manner If you program with ASP.NET will also learn how to apply security to your applications. And the book also shows you how to use the Windows Event Log Service to audit Windows security violations that may be a threat to your solution. Authors Adam Freeman and Allen Jones, early .NET adopters and long-time proponents of an "end-to-end" security model, based this book on their years of experience in applying security policies and developing products for NASDAQ, Sun Microsystems, Netscape, Microsoft, and others. With the .NET platform placing security at center stage, the better informed you are, the more secure your project will be. [Three Steps to Wealth & Financial Security](#) O'Reilly Media

"The security of information systems has not improved at a rate consistent with the growth and sophistication of the attacks being made against them. To address this problem, we must improve the underlying strategies and techniques used to create our systems. Specifically, we must build security in from the start, rather than append it as an afterthought. That's the point of Secure Coding in C and C++. In careful detail, this book shows software developers how to build high-quality systems that are less vulnerable to costly and even catastrophic attack. It's a book that every developer should read before the start of any serious project." --Frank Abagnale, author, lecturer, and leading consultant on fraud prevention and secure documents Learn the Root Causes of Software Vulnerabilities and How to Avoid Them Commonly exploited software vulnerabilities are usually caused by avoidable software defects. Having analyzed nearly 18,000 vulnerability reports over the past ten years, the CERT/Coordination Center (CERT/CC) has determined that a relatively small number of root causes account for most of them. This book identifies and explains these causes and shows the steps that can be taken to prevent exploitation. Moreover, this book encourages programmers to adopt security best practices and develop a security mindset that can help protect software from tomorrow's attacks, not just today's. Drawing on the CERT/CC's reports and conclusions, Robert Seacord systematically identifies the program errors most likely to lead to security breaches, shows how they can be exploited, reviews the potential consequences, and presents secure alternatives. Coverage includes technical detail on how to Improve the overall security of any C/C++ application Thwart buffer overflows and stack-smashing attacks that exploit insecure string manipulation logic Avoid vulnerabilities and security flaws resulting from the incorrect use of dynamic memory management functions Eliminate integer-related problems: integer overflows, sign errors, and truncation errors Correctly use formatted output functions

without introducing format-string vulnerabilities Avoid I/O vulnerabilities, including race conditions Secure Coding in C and C++ presents hundreds of examples of secure code, insecure code, and exploits, implemented for Windows and Linux. If you're responsible for creating secure C or C++ software--or for keeping it safe--no other book offers you this much detailed, expert assistance. [An Introduction to Professional C Programming](#) Createspace Independent Publishing Platform Passwords are not the problem. The management of passwords is the real security nightmare. User authentication is the most ignored risk to enterprise cybersecurity. When end users are allowed to generate, know, remember, type and manage their own passwords, IT has inadvertently surrendered the job title Network Security Manager to employees - the weakest link in the cybersecurity chain. Dovell Bonnett reveals the truth about the elephant in the room that no one wants to mention: Expensive backend security is worthless when the virtual front door has a lousy lock! Dovell proves that making passwords secure is not only possible, passwords can actually become an effective, cost efficient and user friendly feature of robust cybersecurity. After examining how encryption keys are secured, this book introduces a new strategy called Password Authentication Infrastructure (PAI) that rivals digital certificates. Passwords are not going away. What needs to be fixed is how passwords are managed.

Using JavaScript, HTML, and CSS Packt Publishing Ltd

Maybe you're a recent college graduate, looking for a successful start to your career. Or an experienced professional, feeling the need to try something new. Either way, a whole host of opportunities await you-but if you really hope to ace that interview and get the job you want, you'll need the right skills to get ahead. So when you're navigating the complex twists and turns of today's changing job market, let *I'll Get That Job!* serve as your road map and guide. Featuring advice from real HR professionals, headhunters, and team managers, this essential job-hunting companion will let you know exactly what you need to do to increase your chances, from social media presence to writing a great CV. While shedding light on the many myths and outdated "rules" that may actually bog you down in today's job-seeking experience, *I'll Get That Job!* serves as a source of motivation and encouragement for modern job hunters. After all, with hard work and the right mind-set, it really is possible for you to get that job you've always wanted-and become the most successful version of yourself along the way!

[Write Better, Faster](#) Addison-Wesley Professional

Python is a powerful, expressive programming language that's easy to learn and fun to use! But books about learning to program in Python can be kind of dull, gray, and boring, and that's no fun for anyone. Python for Kids brings Python to life and brings you (and your parents) into the world of programming. The ever-patient Jason R. Briggs will guide you through the basics as you experiment with unique (and often hilarious) example programs that feature ravenous monsters, secret agents, thieving ravens, and more. New terms are defined; code is colored, dissected, and explained; and quirky, full-color illustrations keep things on the lighter side. Chapters end with programming puzzles designed to stretch your brain and strengthen your understanding. By the end of the book you'll have programmed two complete games: a clone of the famous Pong and "Mr. Stick Man Races for the Exit"—a platform game with jumps, animation, and much more. As you strike out on your programming adventure, you'll learn how to: -Use fundamental data structures like lists, tuples, and maps -Organize and reuse your code with functions and modules -Use control structures like loops and conditional statements -Draw shapes and patterns with Python's turtle module -Create games, animations, and other graphical wonders with tkinter Why should serious adults have all the fun? Python for Kids is your ticket into the amazing world of computer programming. For kids ages 10+ (and their parents) The code in this book runs on almost anything: Windows, Mac, Linux, even an OLPC laptop or Raspberry Pi!

[All That Glitters Isn't Gold](#) Createspace Independent Publishing Platform

How do the minds of authors work? They're always thinking of stories to do, plots to develop and characters to bring to life. You never know when your best work is going to pop into your head so it's best that you also have a notebook that you can pull out anytime. Fill the pages of this notebook with wonderful stories!

[98 Rules for Developing Safe, Reliable, and Secure Systems](#) CRC Press

This book offers practical approaches to support new teachers in the field of special education mentally, emotionally, and professionally in the wake of policy changes, compliance challenges, and bureaucratic challenges.

Effective C Pearson Education

Aimed at software designers, architects, developers, and testers, discusses how to create secure applications in the development, design, writing, and testing stages.

[Write Right-Right Now](#), "O'Reilly Media, Inc."

"Web Security, Privacy & Commerce" cuts through the hype and the front page stories. It tells readers what the real risks are and explains how to minimize them. Whether a casual (but concerned) Web surfer or a system administrator responsible for the security of a critical Web server, this book will tell users what they need to know.

Clean Code in JavaScript No Starch Press

Describes how to put software security into practice, covering such topics as risk analysis, coding policies, Agile Methods, cryptographic standards, and threat tree patterns.

Learn socket programming in C and write secure and optimized network code "O'Reilly Media, Inc."

All fiction is character-driven, according to William Bernhardt. How can you use characters to create

dynamic fiction that will captivate readers? This book explains the relationship between character and plot, and how the perfect melding of the two produces a mesmerizing story.

[Strategies to Prevent Burnout in Special Education Practitioners](#) Addison-Wesley Professional

As a web developer, you may not want to spend time making your web app secure, but it definitely comes with the territory. This practical guide provides you with the latest information on how to thwart security threats at several levels, including new areas such as microservices. You'll learn how to help protect your app no matter where it runs, from the latest smartphone to an older desktop, and everything in between. Author John Paul Mueller delivers specific advice as well as several security programming examples for developers with a good knowledge of CSS3, HTML5, and JavaScript. In five separate sections, this book shows you how to protect against viruses, DDoS attacks, security breaches, and other nasty intrusions. Create a security plan for your organization that takes the latest devices and user needs into account Develop secure interfaces, and safely incorporate third-party code from libraries, APIs, and microservices Use sandboxing techniques, in-house and third-party testing techniques, and learn to think like a hacker Implement a maintenance cycle by determining when and how to update your application software Learn techniques for efficiently tracking security threats as well as training requirements that your organization can use **Best Practices for Designing, Implementing, and Maintaining Systems** CreateSpace "Write right - right now - the book by Walter M. Perkins is entertaining and informative for anyone who has ever wanted to write AND publish a book but did not know the steps. The book is broken into easy-to-understand components. Perkins emphasizes the business aspects of writing a book and sheds light on issues such as doing business with graphic designers, agents, publishers, and printers"-- Taken from Amazon.com November 7, 2014.

Writing Secure Code McGraw Hill Professional

The CERT C Coding Standard, Second Edition enumerates the coding errors that are the root causes of current software vulnerabilities in C, prioritizing them by severity, likelihood of exploitation, and remediation costs. "Secure programming in C can be more difficult than even many experienced programmers realize," said Robert C. Seacord, technical manager of the CERT Secure Coding Initiative and author of the CERT C Coding Standard. "Software systems are becoming increasingly complex as our dependency on these systems increases. In our new CERT standard, as with all of our standards, we identify insecure coding practices and present secure alternatives that software developers can implement to reduce or eliminate vulnerabilities before deployment."

[Fixing the Weakest Link in Cybersecurity](#) CreateSpace

ATTENTION TRAINERS: It's Not About YOU - It's About the LEARNER! What is the biggest mistake a trainer can make? Quite simply, it is focusing all of their efforts on themselves and not their students! Many inexperienced trainers fall into this trap, but it doesn't have to happen to you! This book provides easy-to-execute examples that, when utilized, will make any rookie trainer look like a seasoned pro in just one day! You will learn how to structure the classroom experience in such a positive way that I guarantee it will make a difference in your professional life and in the lives of your participants. The techniques outlined in this book will help you to become the Great Trainer you have always wanted to be - because although good trainers may know these methods, Great Trainers make it happen! Inside, you will discover how to: -Create an inviting physical and emotional learning environment for your students. An inviting learning environment leads to higher levels of participation, retention, and on-the-job application! -Be less of an instructor and more of a "Tour Guide." Utilizing tour guide techniques will make your class anything-but-ordinary, causing people to look forward to your next event! -Utilize Great Trainer techniques whether you're facilitating a 5-day course, a 60-minute training session, or a 15-minute presentation! -Apply the techniques that will help you go WACCO for your participants - without spending a dime! Get on the road to continuous training improvement and start reading!

The Security Development Lifecycle Addison-Wesley

"At Cisco, we have adopted the CERT C Coding Standard as the internal secure coding standard for all C developers. It is a core component of our secure development lifecycle. The coding standard described in this book breaks down complex software security topics into easy-to-follow rules with excellent real-world examples. It is an essential reference for any developer who wishes to write secure and resilient software in C and C++." —Edward D. Paradise, vice president, engineering, threat response, intelligence, and development, Cisco Systems Secure programming in C can be more difficult than even many experienced programmers realize. To help programmers write more secure code, The CERT® C Coding Standard, Second Edition, fully documents the second official release of the CERT standard for secure coding in C. The rules laid forth in this new edition will help ensure that programmers' code fully complies with the new C11 standard; it also addresses earlier versions, including C99. The new standard itemizes those coding errors that are the root causes of current software vulnerabilities in C, prioritizing them by severity, likelihood of exploitation, and remediation costs. Each of the text's 98 guidelines includes examples of insecure code as well as secure, C11-conforming, alternative implementations. If uniformly applied, these guidelines will eliminate critical coding errors that lead to buffer overflows, format-string vulnerabilities, integer overflow, and other common vulnerabilities. This book reflects numerous experts' contributions to the open development and review of the rules and recommendations that comprise this standard. Coverage includes Preprocessor Declarations and Initialization Expressions Integers Floating Point Arrays Characters and Strings Memory Management Input/Output Environment Signals Error Handling Concurrency Miscellaneous Issues