OMB No. 5412900289673

Security For Web Developers Using Javascript Html And Css

Learning to Code and Modern Online Security Tips Should Web Devs Learn Cybersecurity? 7 Security Risks and Hacking Stories for Web Developers The Best Programming Books For Web Developers #noobsec : The Web Security Fundamentals That Every Web Developer Should Know Web application security: 10 things developers need to know JavaScript Security Vulnerabilities Tutorial – With Code Examples Security - Web Development React + Spring Boot CRUD Full Stack App - 1 - Introduction How I'd Learn Web Development (If I Could Start Over) Web App Vulnerabilities - DevSecOps Course for Beginners Web Application Security Fundamentals (must know basics for developers, testers and hackers) CYBERSECURITY RoadMap : How to become Ethical Hacker in 2024? Top 8 Most Popular Network Protocols Explained I’ve read 40 programming books. Top 5 you must read. 100+ Web Development Things you Should Know
Real Threats, Practical Defense
An Introduction for Web Professionals
Web Security, Privacy & Commerce
Professional Mobile Web Development with WordPress, Joomla! and Drupal
Powering Up a Career in Internet Security
Best Practices
Joomla! Web Security
For Web Application Development
What every web developer should know about networking and web performance
Fast, Scalable And Secure Web Hosting For Web Developers
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A hands-on guide to developing fast and secure web apps with the Rust programming language
Security in Development: The IBM Secure Engineering Framework
PHP and MySQL Web Development
The Tangled Web
Best Practices
Designing for Security

Security For Web Developers Using Javascript Html And Css ***OMB No. 5412900289673 edited by***

KERR CURTIS

Real Threats, Practical Defense "O'Reilly Media, Inc."

API Security in Action teaches you how to create secure APIs for any situation. By following this hands-on guide you’ll

build a social network API while mastering techniques for flexible multi-user security, cloud key management, and lightweight cryptography. Summary A web API is an efficient way to communicate with an application or service. However, this convenience opens your systems to new security risks. API Security in Action gives you the skills to build strong, safe APIs you can confidently expose to the world. Inside, you'll learn to construct secure and scalable REST APIs, deliver machine-to-machine interaction in a microservices architecture, and provide protection in resource-constrained IoT (Internet of Things) environments. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology APIs control data sharing in every service, server, data store, and web client. Modern data-centric designs—including microservices and cloud-native applications—demand a comprehensive, multi-layered approach to security for both private and public-facing APIs. About the book API Security in Action teaches you how to create secure APIs for any situation. By following this hands-on guide you'll build a social network API while mastering techniques for flexible multi-user security, cloud key management, and lightweight cryptography. When you're done, you'll be able to create APIs that stand up to complex threat models and hostile environments. What's inside Authentication Authorization Audit logging Rate limiting Encryption About the reader For developers with experience building RESTful APIs. Examples are in Java. About the author Neil Madden has in-depth knowledge of applied cryptography, application security, and current API security technologies. He holds a Ph.D. in Computer Science. Table of Contents PART 1 - FOUNDATIONS 1 What is API security? 2 Secure API development 3 Securing the Natter API PART 2 - TOKEN-BASED AUTHENTICATION 4 Session cookie authentication 5 Modern token-based authentication 6 Self-contained tokens and JWTs PART 3 - AUTHORIZATION 7 OAuth2 and OpenID Connect 8 Identity-based access control 9 Capability-based security and macaroons PART 4 - MICROSERVICE APIs IN KUBERNETES 10 Microservice APIs in Kubernetes 11 Securing service-to-service APIs PART 5 - APIs FOR THE INTERNET OF THINGS 12 Securing IoT communications 13 Securing IoT APIs

An Introduction for Web Professionals

"O'Reilly Media, Inc." Over 75% of network attacks are targeted at the web application layer. This book provides explicit hacks, tutorials, penetration tests, and step-by-step demonstrations for security professionals and Web application developers to defend their most vulnerable applications. This book defines Web application security, why it should be addressed earlier in the lifecycle in development and quality assurance, and how it differs from other types of Internet security. Additionally, the book examines the procedures and technologies that are essential to developing, penetration testing and releasing a secure Web

application. Through a review of recent Web application breaches, the book will expose the prolific methods hackers use to execute Web attacks using common vulnerabilities such as SQL Injection, Cross-Site Scripting and Buffer Overflows in the application layer. By taking an in-depth look at the techniques hackers use to exploit Web applications, readers will be better equipped to protect confidential. The Yankee Group estimates the market for Web application-security products and services will grow to $1.74 billion by 2007 from $140 million in 2002 Author Michael Cross is a highly sought after speaker who regularly delivers Web Application presentations at leading conferences including: Black Hat, TechnoSecurity, CanSec West, Shmoo Con, Information Security, RSA Conferences, and more

Web Security, Privacy & Commerce Pearson Education

Security Smarts for the Self-Guided IT Professional “Get to know the hackers—or plan on getting hacked. Sullivan and Liu have created a savvy, essentials-based approach to web app security packed with immediately applicable tools for any information security practitioner sharpening his or her tools or just starting out.” —Ryan McGeehan, Security Manager, Facebook, Inc. Secure web applications from today's most devious hackers. Web Application Security: A Beginner's Guide helps you stock your security toolkit, prevent common hacks, and defend quickly against malicious attacks. This practical resource includes chapters on authentication, authorization, and session management, along with browser, database, and file security--all supported by true stories from industry. You'll also get best practices for vulnerability detection and secure development, as well as a chapter that covers essential security fundamentals. This book's templates, checklists, and examples are designed to help you get started right away. Web Application Security: A Beginner's Guide features: Lingo--Common security terms defined so that you're in the know on the job IMHO--Frank and relevant opinions based on the authors' years of industry experience Budget Note--Tips for getting security technologies and processes into your organization's budget In Actual Practice--Exceptions to the rules of security explained in real-world contexts Your Plan--Customizable checklists you can use on the job now Into Action--Tips on how, why, and when to apply new skills and techniques at work

Professional Mobile Web Development with WordPress, Joomla! and Drupal

John Wiley & Sons

A comprehensive guide to Python programming for web development using the most popular Python web framework - Django Key Features Learn the fundamentals of programming with Python and building web apps Build web applications from scratch with Django Create real-world RESTful web services with the latest Django framework Book Description If you want to develop complete Python web apps with Django, this Learning Path is for you. It will walk you through Python programming techniques and guide you in implementing them when creating 4 professional

Django projects, teaching you how to solve common problems and develop RESTful web services with Django and Python. You will learn how to build a blog application, a social image bookmarking website, an online shop, and an e-learning platform. Learn Web Development with Python will get you started with Python programming techniques, show you how to enhance your applications with AJAX, create RESTful APIs, and set up a production environment for your Django projects. Last but not least, you'll learn the best practices for creating real-world applications. By the end of this Learning Path, you will have a full understanding of how Django works and how to use it to build web applications from scratch. This Learning Path includes content from the following Packt products: Learn Python Programming by Fabrizio Romano Django RESTful Web Services by Gastón C. Hillar Django Design Patterns and Best Practices by Arun Ravindran What you will learn Explore the fundamentals of Python programming with interactive projects Grasp essential coding concepts along with the basics of data structures and control flow Develop RESTful APIs from scratch with Django and the Django REST Framework Create automated tests for RESTful web services Debug, test, and profile RESTful web services with Django and the Django REST Framework Use Django with other technologies such as Redis and Celery Who this book is for If you have little experience in coding or Python and want to learn how to build full-fledged web apps, this Learning Path is for you. No prior experience with RESTful web services, Python, or Django is required, but basic Python programming experience is needed to understand the concepts covered.

Powering Up a Career in Internet Security No Starch Press

Developers, designers, engineers, and creators can no longer afford to pass responsibility for identity and data security onto others. Web developers who don't understand how to obscure data in transmission, for instance, can open security flaws on a site without realizing it. With this practical guide, you'll learn how and why everyone working on a system needs to ensure that users and data are protected. Authors Jonathan LeBlanc and Tim Messerschmidt provide a deep dive into the concepts, technology, and programming methodologies necessary to build a secure interface for data and identity—without compromising usability. You'll learn how to plug holes in existing systems, protect against viable attack vectors, and work in environments that sometimes are naturally insecure. Understand the state of web and application security today Design security password encryption, and combat password attack vectors Create digital fingerprints to identify users through browser, device, and paired device detection Build secure data transmission systems through OAuth and OpenID Connect Use alternate methods of identification for a second factor of authentication Harden your web applications against attack Create a secure data transmission system using SSL/TLS, and synchronous and asynchronous cryptography

Best Practices The

Rosen Publishing Group, Inc
As a developer, you need to build software in a secure way. But you can't spend all your time focusing on security. The answer is to use good design principles, tools, and mindsets that make security an implicit result - it's secure by design. Secure by Design teaches developers how to use design to drive security in software development. This book is full of patterns, best practices, and mindsets that you can directly apply to your real world development. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.
Joomla! Web Security
Packt Publishing Ltd
Learn how to secure your ASP.NET Core web app through robust and secure code Key Features Discover the different types of security weaknesses in ASP.NET Core web applications and learn how to fix them Understand what code makes an ASP.NET Core web app unsafe Build your secure coding knowledge by following straightforward recipes Book Description ASP.NET Core developers are often presented with security test results showing the vulnerabilities found in their web apps. While the report may provide some high-level fix suggestions, it does not specify the exact steps that you need to take to resolve or fix weaknesses discovered by these tests. In ASP.NET Secure Coding Cookbook, you'll start by learning the fundamental concepts of secure coding and then gradually progress to identifying common web app vulnerabilities in code. As you progress, you'll cover recipes for fixing security misconfigurations in ASP.NET Core web apps. The book further demonstrates how you can resolve different types of Cross-Site Scripting. A dedicated section also takes you through fixing miscellaneous vulnerabilities that are no longer in the OWASP Top 10 list. This book features a recipe-style format, with each recipe containing sample unsecure code that presents the problem and corresponding solutions to eliminate the security bug. You'll be able to follow along with each step of the exercise and use the accompanying sample ASP.NET Core solution to practice writing secure code. By the end of this book, you'll be able to identify unsecure code causing different security flaws in ASP.NET Core web apps and you'll have gained hands-on experience in removing vulnerabilities and security defects from your code. What you will learn Understand techniques for squashing an ASP.NET Core web app security bug Discover different types of injection attacks and understand how you can prevent this vulnerability from being exploited Fix security issues in code relating to broken authentication and authorization Eliminate the risks of sensitive data exposure by getting up to speed with numerous protection techniques Prevent security misconfiguration by enabling ASP.NET Core web application security features Explore other ASP.NET web application vulnerabilities and secure coding best practices Who this book is for This ASP.NET Core book is for intermediate-level ASP.NET Core web developers and software engineers who use the framework to develop web applications and are looking to focus on their security using coding best practices. The book is also

for application security engineers, analysts, and specialists who want to know more about securing ASP.NET Core using code and understand how to resolve issues identified by the security tests they perform daily.

For Web Application Development Apress

Website security made easy. This book covers the most common ways websites get hacked and how web developers can defend themselves. The world has changed. Today, every time you make a site live, you're opening it up to attack. A first-time developer can easily be discouraged by the difficulties involved with properly securing a website. But have hope: an army of security researchers is out there discovering, documenting, and fixing security flaws. Thankfully, the tools you'll need to secure your site are freely available and generally easy to use. Web Security for Developers will teach you how your websites are vulnerable to attack and how to protect them. Each chapter breaks down a major security vulnerability and explores a real-world attack, coupled with plenty of code to show you both the vulnerability and the fix. You'll learn how to: • Protect against SQL injection attacks, malicious JavaScript, and cross-site request forgery • Add authentication and shape access control to protect accounts • Lock down user accounts to prevent attacks that rely on guessing passwords, stealing sessions, • or escalating privileges • Implement encryption • Manage vulnerabilities in legacy code • Prevent information leaks that disclose vulnerabilities • Mitigate advanced attacks like malvertising and denial-of-service As you get stronger at identifying and fixing vulnerabilities, you'll learn to deploy disciplined, secure code and become a better programmer along the way.

What every web developer should know about networking and web performance John Wiley & Sons

Create Fast, Scalable and Secure web hosting with FastWebHostingSecrets.com This book is intended for web developers, internet marketers, startup companies and DIY people that want to create a lightning fast and scalable website using the latest technologies like Nginx, PHP7, Java and Wordpress using their own server.

Fast, Scalable And Secure Web Hosting For Web Developers Simon and Schuster

"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 tells users what they need to know.

Identity and Data Security for Web Development Elsevier

Rust is a new and fast programming language that provides memory safety without a garbage collector. With its low memory footprint, it allows web developers to build high-performance and secure web apps with relative ease. This book will help web developers to adopt Rust for web app development, while addressing safety and high-performance issues.

A Security Wake-Up Call for Web Programmers McGraw Hill 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

WordPress for Web Developers

Security for Web DevelopersUsing JavaScript, HTML, and CSS Balancing usability and security when building a website or app can be incredibly difficult. This practical book teaches you a results-driven approach for accomplishing both without compromising either. Not only will you learn what to be aware of when building your systems, but also how to build a solid identity infrastructure across devices that's both usable and secure. You'll be able to harden your data infrastructure and privileged user information, while using common techniques to prevent data breaches. You'll also take a look at future technology that will impact data and identity security.

A hands-on guide to developing fast and secure web apps with the Rust programming language

"O'Reilly Media, Inc." Large-scale private user data theft has become a common occurrence on the web. A huge factor in these privacy breaches is that developers specify and enforce data security policies by strewing checks throughout their application code. Overlooking even a single check can lead to vulnerabilities. Unfortunately, even if developers manage to get all the checks right, most web applications rely on third-party code; a vulnerable or malicious third-party library, yet again, puts the user's data at risk. This dissertation presents a novel approach to protecting sensitive data even when application code is buggy or malicious. The key ideas of this work are to separate the security and privacy concerns of an application from its functionality, and to use language-level information flow control (IFC) to enforce policies throughout the application codebase. The main challenge of this approach is at once to design practical systems that can be easily adopted by average

developers, and simultaneously to leverage formal semantics that rule out large classes of design error. To address this challenge, this dissertation presents two systems--Hails and COWL--which respectively address the security issues web applications face on the server and in the browser. Hails is a server-side web framework that separates the security and privacy concerns of an application from it functionality by following a new paradigm called model--policy--view--controller (MPVC). In the MPVC model, developers specify security policies in a single place, using a declarative policy specification language. Hails then enforces these policies across all application components using language-level IFC. This alleviates the need for application logic code to be intertwined with security checks and ensures that policies are enforced in a mandatory fashion, even across third-party code. Hails has been used by developers with a wide-range of expertise, from a novice high school student to expert web developers to build secure web sites with very small trusted computing bases. Some of these web applications were deployed production. While Hails ensures that server-side code cannot leak or corrupt sensitive user data, COWL extends this security guarantee to the browser, where JavaScript, typically provided by multiple disparate parties, computes on the user's sensitive data. COWL is a JavaScript confinement system that extends the browser security model with IFC, while retaining backwards compatibility with the existing Web. Much like Hails, COWL allows developers to associate policy with sensitive data, such as passwords. Within the confines of the browser, COWL then enforces these policies with IFC, prohibiting code from arbitrarily leaking data. This system has been implemented in both Firefox and Chromium, and is currently being standardized at the W3C as a new web specification. Building practical systems, such as Hails and COWL, using information flow control required new developments in language-level security foundations. This dissertation describes some of the main results which were key to Hails and COWL, including: DC Labels, a simple yet expressive label model based on propositional logic; LIO, a dynamic, language-level IFC system implemented in Haskell; and, IFC-Inside, a generalization of LIO system to arbitrary languages. These foundations explore a new design point in language-level IFC, which addresses many of the shortcomings of previews results, while providing strong security guarantees; this was previously thought to be impractical for purely dynamic IFC enforcement. Taken together, this dissertation presents practical systems that build on newly developed foundations in language-based security to provide end-to-end security to web applications. In addition to providing a solution to securing today's web applications, however, the strong security provided by these systems also opens up the possibility of deploying applications that, because of security concerns, were not previously practical.

Security in Development: The IBM Secure

Engineering Framework

CRC Press
How to develop powerful mobile Web sites using popular content management systems (CMS) Mobile is the hottest thing going—and developing content for mobile devices and browsers is even hotter than that. This book is your guide to it all—how to design, build, and deploy sites, blogs and services that will work brilliantly for mobile users. You'll learn about the state-of-the-art of mobile web development, the tools available to use, and the best practices for creating compelling mobile user interfaces. Then, using the most popular content management systems, WordPress, Joomla!, and Drupal, you'll learn how to building world-class mobile web sites from existing platforms and content.. The book walks you through each platform, including how to use third-party plug-ins and themes, explains the strategies for writing your own logic, how to switch between mobile and desktop, and much more. Provides a technical review of the mobile landscape and acquaints you with a range of mobile devices and networks Covers topics common to all platforms, including site topologies, switching between mobile and desktop, common user interface patterns, and more Walks you through each content management platform—WordPress, Joomla!, and Drupal—first focusing on standard plug-ins and themes and then exploring advanced techniques for writing your own themes or logic Explains the best practices for testing, deploying, and integrating a mobile web site Also explores analytics, m-commerce, and SEO techniques for mobile Get ahead of the the mobile web development curve with this professional and in-depth reference guide! PHP and MySQL Web Development Pearson Education
Combines language tutorials with application design advice to cover the PHP server-side scripting language and the MySQL database engine.

The Tangled Web

"O'Reilly Media, Inc."
Spring Security in Action shows you how to prevent cross-site scripting and request forgery attacks before they do damage. You'll start with the basics, simulating password upgrades and adding multiple types of authorization. As your skills grow, you'll adapt Spring Security to new architectures and create advanced OAuth2 configurations. By the time you're done, you'll have a customized Spring Security configuration that protects against threats both common and extraordinary. Summary While creating secure applications is critically important, it can also be tedious and time-consuming to stitch together the required collection of tools. For Java developers, the powerful Spring Security framework makes it easy for you to bake security into your software from the very beginning. Filled with code samples and practical examples, Spring Security in Action teaches you how to secure your apps from the most common threats, ranging from injection attacks to lackluster monitoring. In it, you'll learn how to manage system users, configure secure endpoints, and use OAuth2 and OpenID Connect for authentication and authorization. Purchase of the print book includes a

free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Security is non-negotiable. You rely on Spring applications to transmit data, verify credentials, and prevent attacks. Adopting "secure by design" principles will protect your network from data theft and unauthorized intrusions. About the book Spring Security in Action shows you how to prevent cross-site scripting and request forgery attacks before they do damage. You'll start with the basics, simulating password upgrades and adding multiple types of authorization. As your skills grow, you'll adapt Spring Security to new architectures and create advanced OAuth2 configurations. By the time you're done, you'll have a customized Spring Security configuration that protects against threats both common and extraordinary. What's inside Encoding passwords and authenticating users Securing endpoints Automating security testing Setting up a standalone authorization server About the reader For experienced Java and Spring developers. About the author Laurentiu Spilca is a dedicated development lead and trainer at Endava, with over ten years of Java experience. Table of Contents PART 1 - FIRST STEPS 1 Security Today 2 Hello Spring Security PART 2 - IMPLEMENTATION 3 Managing users 4 Dealing with passwords 5 Implementing authentication 6 Hands-on: A small secured web application 7 Configuring authorization: Restricting access 8 Configuring authorization: Applying restrictions 9 Implementing filters 10 Applying CSRF protection and CORS 11 Hands-on: A separation of responsibilities 12 How does OAuth 2 work? 13 OAuth 2: Implementing the authorization server 14 OAuth 2: Implementing the resource server 15 OAuth 2: Using JWT and cryptographic signatures 16 Global method security: Pre- and postauthorizations 17 Global method security: Pre- and postfiltering 18 Hands-on: An OAuth 2 application 19 Spring Security for reactive apps 20 Spring Security testing Best Practices Wim Bervoets

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Designing for Security

"O'Reilly Media, Inc."

The only security book to be chosen as a Dr. Dobbs Jolt Award Finalist since Bruce Schneier's Secrets and Lies and Applied Cryptography! Adam Shostack is responsible

for security development lifecycle threat modeling at Microsoft and is one of a handful of threat modeling experts in the world. Now, he is sharing his considerable expertise into this unique book. With pages of specific actionable advice, he details how to build better security into the design of systems, software, or services from the outset. You'll explore various threat modeling approaches, find out how to test your designs against threats, and learn effective ways to address threats that have been validated at Microsoft and other top companies. Systems security managers, you'll find tools and a framework for structured thinking about what can go wrong. Software developers, you'll appreciate the jargon-free and accessible introduction to this essential skill. Security professionals, you'll learn to discern changing threats and discover the easiest ways to adopt a structured approach to threat modeling. Provides a unique how-to for security and software developers who need to design secure products and systems and test their designs Explains how to threat model and explores various threat modeling approaches, such as asset-centric, attacker-centric and software-centric Provides effective approaches and techniques that have been proven at Microsoft and elsewhere Offers actionable how-to advice not tied to any specific software, operating system, or programming language Authored by a Microsoft professional who is one of the most prominent threat modeling experts in the world As more software is delivered on the Internet or operates on Internet-connected devices, the design of secure software is absolutely critical. Make sure you're ready with Threat Modeling: Designing for Security.

Discovering and Exploiting Security Flaws

No Starch Press

The Handbook of Human Factors in Web Design covers basic human factors issues relating to screen design, input devices, and information organization and processing, as well as addresses newer features which will become prominent in the next generation of Web technologies. These include multimodal interfaces, wireless capabilities, and agents that can improve convenience and usability. Written by leading researchers and/or practitioners in the field, this volume reflects the varied backgrounds and interests of individuals involved in all aspects of human factors and Web design and includes chapters on a full range of topics. Divided into 12 sections, this book covers: historical backgrounds and overviews of Human Factors and Ergonomics (HFE) specific subfields of HFE issues involved in content preparation for the Web information search and interactive information agents designing for universal access and specific user populations the importance of incorporating usability evaluations in the design process task analysis, meaning analysis, and performance modeling specific Web applications in academic and industrial settings Web psychology and information security emerging technological developments and applications for the Web the costs and benefits of incorporating human factors for the Web and the state of current guidelines The Handbook of Human Factors in Web

Design is intended for researchers and practitioners concerned with all aspects of Web design. It could also be used as a text for advanced courses in computer science, industrial engineering, and psychology.

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