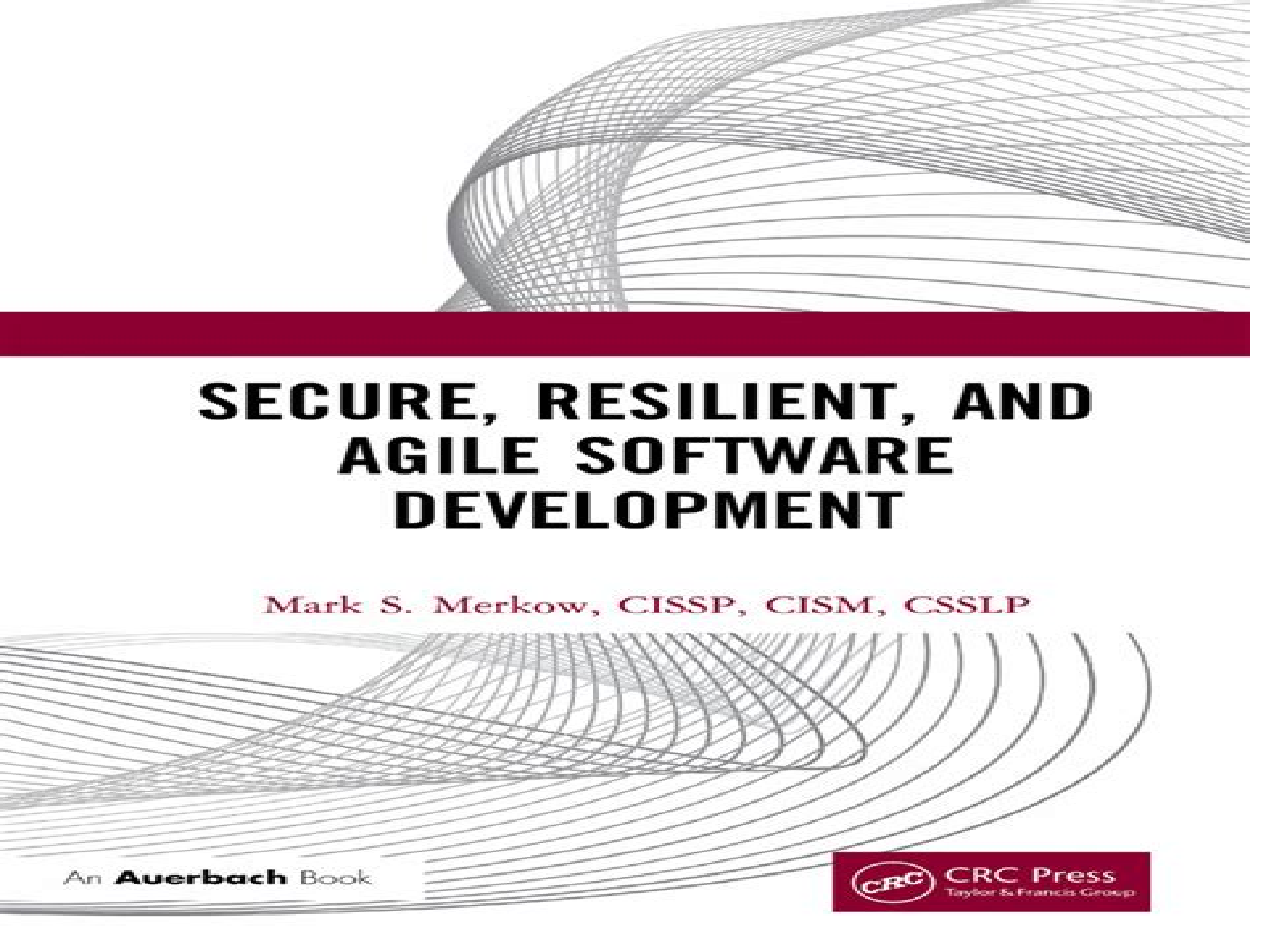




SECURE, RESILIENT, AND AGILE SOFTWARE DEVELOPMENT

Mark S. Merkow, CISSP, CISM, CSSLP

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Mark Merkow



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Merkow,Lakshmikanth Raghavan,2011-11-18 Secure and Resilient Software Requirements Test Cases and Testing Methods provides a comprehensive set of requirements for secure and resilient software development and operation It supplies documented test cases for those requirements as well as best practices for testing nonfunctional requirements for improved information assurance This resource rich book includes Pre developed nonfunctional requirements that can be reused for any software development project Documented test cases that go along with the requirements and can be used to develop a Test Plan for the software Testing methods that can be applied to the test cases provided Downloadable resources with all security requirements and test cases as well as MS Word versions of the checklists requirements and test cases covered in the book Offering ground level already developed software nonfunctional requirements and corresponding test cases and methods this book will help to ensure that your software meets its nonfunctional requirements for security and resilience The accompanying downloadable resources filled with helpful checklists and reusable documentation provides you with the tools needed to integrate security into the requirements analysis design and testing phases of your software development lifecycle Some Praise for the Book This book pulls together the state of the art in thinking about this important issue in a holistic way with several examples It takes you through the entire lifecycle from conception to implementation Doug Cavit Chief Security Strategist Microsoft Corporation provides the reader with the tools necessary to jump start and mature security within the software development lifecycle SDLC Jeff Weekes Sr Security Architect at Terra Verde Services full of useful insights and practical advice from two au **Secure, Resilient, and Agile Software Development** Mark Merkow,2019-12-11 A collection of best practices and effective implementation recommendations that are proven to work Secure Resilient and Agile Software Development leaves the boring details of software security theory out of the discussion as much as possible to concentrate on practical applied software security for practical people Written to aid your career as well as your organization the book shows how to gain skills in secure and resilient software development and related tasks The book explains how to

integrate these development skills into your daily duties thereby increasing your professional value to your company your management your community and your industry Secure Resilient and Agile Software Development was written for the following professionals AppSec architects and program managers in information security organizations Enterprise architecture teams with application development focus Scrum teams DevOps teams Product owners and their managers Project managers Application security auditors With a detailed look at Agile and Scrum software development methodologies this book explains how security controls need to change in light of an entirely new paradigm on how software is developed It focuses on ways to educate everyone who has a hand in any software development project with appropriate and practical skills to Build Security In After covering foundational and fundamental principles for secure application design this book dives into concepts techniques and design goals to meet well understood acceptance criteria on features an application must implement It also explains how the design sprint is adapted for proper consideration of security as well as defensive programming techniques The book concludes with a look at white box application analysis and sprint based activities to improve the security and quality of software under development

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Development Mark S. Merkow, 2019-12-06 A collection of best practices and effective implementation recommendations that are proven to work Secure Resilient and Agile Software Development leaves the boring details of software security theory out of the discussion as much as possible to concentrate on practical applied software security for practical people Written to aid your career as well as your organization the book shows how to gain skills in secure and resilient software development and related tasks The book explains how to integrate these development skills into your daily duties thereby increasing your professional value to your company your management your community and your industry Secure Resilient and Agile Software Development was written for the following professionals AppSec architects and program managers in information security organizations Enterprise architecture teams with application development focus Scrum teams DevOps teams Product owners and their managers Project managers Application security auditors With a detailed look at Agile and Scrum software development methodologies this book explains how security controls need to change in light of an entirely new paradigm on how software is developed It focuses on ways to educate everyone who has a hand in any software development project with appropriate and practical skills to Build Security In After covering foundational and fundamental principles for secure application design this book dives into concepts techniques and design goals to meet well understood acceptance criteria on features an application must implement It also explains how the design sprint is adapted for proper consideration of security as well as defensive programming techniques The book concludes with a look at white box application analysis and sprint based activities to improve the security and quality of software under development

Improving Web Application Security ,2003 Gain a solid foundation for designing building and configuring security enhanced hack resistant Microsoft ASP NET Web applications This expert guide describes a systematic task based approach to security that can be applied to both new and existing applications It addresses security considerations at the network host and application layers for each physical tier Web server remote application server and database server detailing the security configurations and countermeasures that can help mitigate risks The information is organized into sections that correspond to both the product life cycle and the roles involved making it easy for architects designers and developers to find the answers they need All PATTERNS PRACTICES guides are reviewed and approved by Microsoft engineering teams consultants partners and customers delivering accurate real world information that s been technically validated and tested

Dissertation Abstracts International ,2008 **Proceedings of the United States Naval Institute** United States Naval Institute, 2012-07 *APCCAS ...* ,2000 *Proceedings, IEEE/AIAA/NASA 9th Digital Avionics Systems Conference, October 15-18, 1990, Virginia Beach, Virginia* ,1990 Phishing and Countermeasures Markus Jakobsson, Steven Myers, 2007 Phishing and Counter Measures discusses how and why phishing is a threat and presents effective countermeasures Showing you how phishing attacks have been mounting over the years how to detect and prevent current as well as future attacks this text focuses on corporations who supply the resources used by attackers The authors subsequently deliberate on what action

the government can take to respond to this situation and compare adequate versus inadequate countermeasures

Supplement to the Official Journal of the European Communities ,1987 Jane's C3I Systems ,1990

Proceedings ,1990 Dr. Dobb's Journal of Software Tools for the Professional Programmer ,2002

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