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## Software By Numbers Low Risk High Return Development

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The Agile Samurai  
 5th International Conference, ENASE 2010, Athens, Greece, July 22-24, 2010, Revised Selected Papers  
 Becoming an Effective and Efficient Test Professional  
 Hyper-Productive Knowledge Work Performance  
 Requirements Engineering: Foundation for Software Quality  
 Behavior-Driven Development with Cucumber  
 Proceedings of the 27th International Conference on Systems Engineering, ICSEng 2020  
 A Systems Approach to Planning, Scheduling, and Controlling  
 Software by Numbers  
 An Engineering Approach  
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 Handbook of Research on Democratic Strategies and Citizen-Centered E-Government Services  
 Evaluation of Novel Approaches to Software Engineering  
 15th International Working Conference, REFSQ 2009 Amsterdam, The Netherlands, June 8-9, 2009 Proceedings  
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 Metrics-driven Enterprise Software Development  
 Managing the Unmanageable  
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[The Agile Samurai](#) J. Ross Publishing

Software by Numbers Low-Risk, High-Return Development Prentice Hall Professional

**5th International Conference, ENASE 2010, Athens, Greece, July 22-24, 2010, Revised Selected Papers** Pearson Education

This open access book presents a set of basic techniques for estimating the benefit of IT development projects and portfolios. It also offers methods for monitoring how much of that estimated benefit is being achieved during projects. Readers can then use these benefit estimates together with cost estimates to create a benefit/cost index to help them decide which functionalities to send into construction and in what order. This allows them to focus on constructing the functionality that offers the best value for money at an early stage. Although benefits management involves a wide range of activities in addition to estimation and monitoring, the techniques in this book provides a clear guide to achieving what has always been the goal of project and portfolio stakeholders: developing systems that produce as much usefulness and value as possible for the money invested. The techniques can also help deal with vicarious motives and obstacles that prevent this happening. The book equips readers to recognize when a project budget should not be spent in full and resources be allocated elsewhere in a portfolio instead. It also provides development managers and upper management with common ground as a basis for making informed decisions.

[Becoming an Effective and Efficient Test Professional](#) CRC Press

This book constitutes the refereed proceedings of the 15th International Working Conference on Requirements Engineering: Foundation for Software Quality, REFSQ 2009, held in Amsterdam, The Netherlands, in June 2009. The 14 revised full papers were carefully reviewed and selected from 49 submissions. The papers are organized in thematic sections on value and risk, change and evolution, interactions and inconsistencies, organization and structuring, experience, elicitation, research methods, behavior modeling, empirical studies, and open-source RE.

[Hyper-Productive Knowledge Work Performance](#) IGI Global

Corey Ladas' groundbreaking paper "ScrumBan" has captured the imagination of the software development world. Scrum and agile methodologies have helped software development teams organize and become more efficient. Lean methods like kanban can extend these benefits. Kanban also provides a powerful mechanism to identify process improvement opportunities. This book covers some of the metrics and day-to-day management techniques that make continuous improvement an achievable outcome in the real world. ScrumBan the book provides a series of essays that give practitioners the background needed to create more robust practices combining the best of agile and lean.

**Requirements Engineering: Foundation for Software Quality** Pearson Education

The landmark project management reference, now in a new edition Now in a Tenth Edition, this industry-leading project management "bible" aligns its streamlined approach to the latest release of the Project Management Institute's Project Management Body of Knowledge (PMI®'s PMBOK® Guide), the new mandatory source of training for the Project Management Professional (PMP®) Certification Exam. This outstanding edition gives students

and professionals a profound understanding of project management with insights from one of the best-known and respected authorities on the subject. From the intricate framework of organizational behavior and structure that can determine project success to the planning, scheduling, and controlling processes vital to effective project management, the new edition thoroughly covers every key component of the subject. This Tenth Edition features: New sections on scope changes, exiting a project, collective belief, and managing virtual teams More than twenty-five case studies, including a new case on the Iridium Project covering all aspects of project management 400 discussion questions More than 125 multiple-choice questions (PMI, PMBOK, PMP, and Project Management Professional are registered marks of the Project Management Institute, Inc.)

[Behavior-Driven Development with Cucumber](#) Addison-Wesley Professional

Agile techniques have demonstrated immense potential for developing more effective, higher-quality software. However, scaling these techniques to the enterprise presents many challenges. The solution is to integrate the principles and practices of Lean Software Development with Agile's ideology and methods. By doing so, software organizations leverage Lean's powerful capabilities for "optimizing the whole" and managing complex enterprise projects. A combined "Lean-Agile" approach can dramatically improve both developer productivity and the software's business value. In this book, three expert Lean software consultants draw from their unparalleled experience to gather all the insights, knowledge, and new skills you need to succeed with Lean-Agile development. Lean-Agile Software Development shows how to extend Scrum processes with an Enterprise view based on Lean principles. The authors present crucial technical insight into emergent design, and demonstrate how to apply it to make iterative development more effective. They also identify several common development "anti-patterns" that can work against your goals, and they offer actionable, proven alternatives. Lean-Agile Software Development shows how to Transition to Lean Software Development quickly and successfully Manage the initiation of product enhancements Help project managers work together to manage product portfolios more effectively Manage dependencies across the software development organization and with its partners and colleagues Integrate development and QA roles to improve quality and eliminate waste Determine best practices for different software development teams The book's companion Web site, [www.netobjectives.com/lasd](http://www.netobjectives.com/lasd), provides updates, links to related materials, and support for discussions of the book's content.

[Proceedings of the 27th International Conference on Systems Engineering, ICSEng 2020](#) CRC Press

Satisfy Stakeholders by Solving the Right Problems, in the Right Ways In *Beyond Requirements*, Kent J. McDonald shows how applying analysis techniques with an agile mindset can radically transform analysis from merely "gathering and documenting requirements" to an important activity teams use to build shared understanding. First, McDonald discusses the unique agile mindset, reviews the key principles underlying it, and shows how these principles link to effective analysis. Next, he puts these principles to work in four wide-ranging and thought-provoking case studies. Finally, he drills down on a full set of techniques for effective agile analysis, using examples to show how, why, and when they work. McDonald's strategies will teach you how to understand stakeholders' needs, identify the best solution for satisfying those needs, and build a shared understanding of your solution that persists throughout the product lifecycle. He also demonstrates how to iterate your analysis, taking advantage of what you learn throughout development, testing, and deployment so that you can continuously adapt, refine, and improve. Whether you're an analysis practitioner or you perform analysis tasks as a developer, manager, or tester, McDonald's techniques will help your team consistently find and deliver better solutions. Coverage includes Core concepts for analysis: needs/ solutions, outcome/output, discovery/delivery Adapting Lean Startup ideas for IT projects: customer delivery, build-measure-learn, and metrics Structuring decisions, recognizing differences between options and commitments, and overcoming cognitive biases Focusing on value: feature injection, minimum viable products, and minimum marketable features Understanding how analysis flows alongside your project's lifecycle Analyzing users: mapping stakeholders, gauging commitment, and creating personas Understanding context: performing strategy (enterprise) analysis Clarifying needs: applying decision filters, assessing project opportunities, stating problems Investigating solutions: impact and story mapping, collaborative modeling, and acceptance criteria definition Kent J. McDonald uncovers better ways of delivering value. His experience includes work in business analysis, strategic planning, project management, and product development in the financial services, health insurance, performance marketing, human services, nonprofit, and automotive industries. He has a BS in industrial engineering from Iowa State University and an MBA from Kent State University. He is coauthor of *Stand Back and Deliver: Accelerating Business Agility* (Addison-Wesley, 2009).

IGI Global

"Agile Excellence for Product Managers" is a plain-speaking guide on how to work with Agile development teams to achieve phenomenal product success. It covers the why and how of agile development (including Scrum, XP, and Lean,) the role of product management, release planning, and more.

**A Systems Approach to Planning, Scheduling, and Controlling** Simon and Schuster

"... an engaging book that will empower readers in both large and small software development and engineering organizations to build security into their products. ... Readers are armed with firm solutions for the fight against cyber threats." —Dr. Dena Haritos Tsamitis, Carnegie Mellon University  
 "... a must read for security specialists, software developers and software engineers. ... should be part of every security professional's library." —Dr. Larry Ponemon, Ponemon Institute  
 "... the definitive how-to guide for software security professionals. Dr. Ransome, Anmol Misra, and Brook Schoenfield deftly outline the procedures and policies needed to integrate real security into the software development process. ...A must-have for anyone on the front lines of the Cyber War ..." —Cedric Leighton, Colonel, USAF (Ret.), Cedric Leighton Associates  
 "Dr. Ransome, Anmol Misra, and Brook Schoenfield give you a magic formula in this book - the methodology and process to build security into the entire software development life cycle so that the software is secured at the source!" —Eric S. Yuan, Zoom Video Communications  
 There is much publicity regarding network security, but the real cyber Achilles' heel is insecure software. Millions of software vulnerabilities create a cyber house of cards, in which we conduct our digital lives. In response, security people build ever more elaborate cyber fortresses to protect this vulnerable software. Despite their efforts, cyber fortifications consistently fail to protect our digital treasures. Why? The security industry has failed to engage fully with the creative, innovative people who write software. Core Software Security expounds developer-centric software security, a holistic process to engage creativity for security. As long as software is developed by humans, it requires the human element to fix it. Developer-centric security is not only feasible but also cost

effective and operationally relevant. The methodology builds security into software development, which lies at the heart of our cyber infrastructure. Whatever development method is employed, software must be secured at the source. Book Highlights: Supplies a practitioner's view of the SDL Considers Agile as a security enabler Covers the privacy elements in an SDL Outlines a holistic business-savvy SDL framework that includes people, process, and technology Highlights the key success factors, deliverables, and metrics for each phase of the SDL Examines cost efficiencies, optimized performance, and organizational structure of a developer-centric software security program and PSIRT Includes a chapter by noted security architect Brook Schoenfield who shares his insights and experiences in applying the book's SDL framework View the authors' website at <http://www.androidinsecurity.com/>

[Software by Numbers](#) Springer

Most companies developing software employ something they call "Agile." But there's widespread misunderstanding of what Agile is and how to use it. If you want to improve your software development team's agility, this comprehensive guidebook's clear, concrete, and detailed guidance explains what to do and why, and when to make trade-offs. In this thorough update of the classic Agile how-to guide, James Shore provides no-nonsense advice on Agile adoption, planning, development, delivery, and management taken from over two decades of Agile experience. He brings the latest ideas from Extreme Programming, Scrum, Lean, DevOps, and more into a cohesive whole. Learn how to successfully bring Agile development to your team and organization—or discover why Agile might not be for you. This book explains how to: Improve agility: create the conditions necessary for Agile to succeed and scale in your organization Focus on value: work as a team, understand priorities, provide visibility, and improve continuously Deliver software reliably: share ownership, decrease development costs, evolve designs, and deploy continuously Optimize value: take ownership of product plans, budgets, and experiments—and produce market-leading software

[An Engineering Approach](#) Addison-Wesley Professional

This book contains a collection of thoroughly refereed papers presented at the 5th International Conference on Evaluation of Novel Approaches to Software Engineering, ENASE 2010, held in Athens, Greece, in July 2010. The 19 revised and extended full papers were carefully selected from 70 submissions. They cover a wide range of topics, such as quality and metrics; service and Web engineering; process engineering; patterns, reuse and open source; process improvement; aspect-oriented engineering; and requirements engineering.

[Fundamentals of Software Architecture](#) John Wiley & Sons

Metrics for software development are usually employed ad-hoc and without clear directions for interpreting the numbers and acting on them. Almost every other engineering discipline has clear guidelines for measuring processes and products and making decisions based on quantified evidence. This practical book describes how to integrate processes and metrics to ensure easier and more effective enterprise software development. It crosses the divide between theory and practice and also discusses why essential processes so often fail to deliver quality industrial software. Enterprise Software Development introduces the techniques for building, applying and interpreting metrics for the workflows across the software development life cycle phases of inception, elaboration, construction and transition. It is a must read for software engineering practitioners (architects, application developers, designers and project managers), academics, and students and apprentices of software engineering.

[With Benefit Points and Size Points](#) Springer

This book constitutes the refereed proceedings of the 20th International Working Conference on Requirements Engineering: Foundation for Software Quality, REFSQ 2014, held in Essen, Germany, in April 2014. The 23 papers presented were carefully reviewed and selected from 89 submissions. The REFSQ conference is organised as a three-day symposium with two days devoted to scientific papers presentation with a one-day industry track in-between. Both the industry and scientific presentations concern a variety of topics, which shows the liveliness of the requirements engineering domain. These topics are for instance: scalability in RE, communication issues, compliance with law and regulations, RE for self adaptive systems, requirements traceability, new sources of requirements, domain specific RE, Natural Language issues and of course games. 'Games for RE and RE for Games' was the special topic of REFSQ 2014. This is materialized by a plenary session at the conference, and by a keynote given by Catherine Rolland, a serious games expert and project manager at KTM Advance, a French company specialized in serious games.

[Agile Software Requirements](#) Addison-Wesley Professional

The highly competitive and globalized software market is creating pressure on software companies. Given the current boundary conditions, it is critical to continuously increase time-to-market and reduce development costs. In parallel, driven by private life experiences with mobile computing devices, the World Wide Web and software-based services, peoples' general expectations with regards to software are growing. They expect software that is simple and joyful to use. In the light of the changes that have taken place in recent years, software companies need to fundamentally reconsider the way they develop and deliver software to their customers. This book introduces fundamentals, trends and best practices in the software industry from a threefold perspective which equally takes into account design, management, and development of software. It demonstrates how cross-functional integration can be leveraged by software companies to successfully build software for people. Professionals from business and academia give an overview on state-of-the-art knowledge and report on key insights from their real-life experience. They provide guidance and hands-on recommendation on how to create winning products. This combined perspective fosters the transfer of knowledge between research and practice and offers a high practical value for both sides. The book targets both, practitioners and academics looking for successfully building software in the future. It is directed at Managing Directors of software companies, Software Project Managers, Product Managers and Designers, Software Developers as well as academics and students in the area of Software and Information Systems Engineering, Human Computer Interaction (HCI), and Innovation Management.

[Enterprise Information Systems](#) Pearson Education

This book has assembled a guide that will help you hire, motivate, and mentor a software development team that functions at the highest level. Their rules of thumb and coaching advice form a great blueprint for new and experienced software engineering managers alike. All too often, software development is deemed unmanageable. The news is filled with stories of projects that have run catastrophically over schedule and budget.

[Pragmatic Software Testing](#) Marshall & Brainerd

This book covers topics such as AeroSpace Systems, Intelligent Systems, Machine Learning and Analytics, Internet of Things, Applied Media Informatics and Technology, Adaptive Control Systems, Software Engineering and Cyber-Physical Systems. Research in the discipline of Systems Engineering is an important concept in the advancement of engineering and information sciences. Systems Engineering attempts to integrate many of the traditional engineering disciplines to solve large complex functioning engineering systems, dependent on components from all the disciplines. The research papers contained in these proceedings reflect the state of the art in Systems Engineering from all over the world and serve as vital references to researchers to follow. This book is a very good resource for graduate students, researchers and scholars who want to learn about the most recent development in the fields.

*Computational Intelligence and Information Technology* Springer

Business Analysis for Practitioners: A Practice Guide provides practical resources to tackle the project-related issues associated with requirements and business analysis—and addresses a critical need in the industry for more guidance in this area. The practice guide begins by describing the work of business analysis. It identifies the tasks that are performed, in addition to the essential knowledge and skills needed to effectively perform business analysis on programs and projects.

**The Art of Agile Development** "O'Reilly Media, Inc."

This book constitutes the proceedings of the First International Conference on Computational Intelligence and Information Technology, CIIT 2011, held in Pune, India, in November 2011. The 58 revised full papers, 67 revised short papers, and 32 poster papers presented were carefully reviewed and selected from 483 initial submissions. The papers are contributed by innovative academics and industrial experts in the field of computer science, information technology, computational engineering, mobile communication and security and offer a stage to a common forum, where a constructive dialog on theoretical concepts, practical ideas and results of the state of the art can be developed.

*Handbook of Research on Democratic Strategies and Citizen-Centered E-Government Services* Springer Nature

Rather than deciding whether or not to get involved in global sourcing, many companies are facing decisions about whether or not to apply agile methods in their distributed projects. These companies are often motivated by the opportunities to solve the coordination and communication difficulties associated with global software development. Yet while agile principles prescribe close interaction and co-location, the very nature of distributed software development does not support these prerequisites. Šmite, Moe, and Ågerfalk structured the book into five parts. In "Motivation" the editors introduce the fundamentals of agile distributed software development and explain the rationale behind the application of agile practices in globally distributed software projects. "Transition" describes implementation strategies, adoption of particular agile practices for distributed projects,

and general concepts of agility. "Management" details practical implications for project planning, time management, and customer and subcontractor interaction. "Teams" discusses agile distributed team configuration, effective communication and knowledge transfer, and allocation of roles and responsibilities. Finally, in the "Epilogue" the editors summarize all contributions and present future trends for research and practice in agile distributed development. This book is primarily targeted at researchers, lecturers, and students in empirical software engineering, and at practitioners involved in globally distributed software projects. The contributions are based on sound empirical research and identify gaps and commonalities in both the existing state of the art and state of the practice. In addition, they also offer practical advice through many hints, checklists, and experience reports. Questions answered in this book include: What should companies expect from merging agile and distributed strategies? What are the stumbling blocks that prevent companies from realizing the benefits of the agile approach in distributed environments, and how can we recognize infeasible strategies and unfavorable circumstances? What helps managers cope with the challenges of implementing agile approaches in distributed software development projects? How can distributed teams survive the decisions taken by management and become efficient through the application of agile approaches?

Evaluation of Novel Approaches to Software Engineering Addison-Wesley Professional

The all-inclusive guide to exceptional project management The Fast Forward MBA in Project Management is the comprehensive guide to real-world project management methods, tools, and techniques. Practical, easy-to-use, and deeply thorough, this book gives you answers you need now. You'll find the cutting-edge ideas and hard-won wisdom of one of the field's leading experts, delivered in short, lively segments that address common management issues. Brief descriptions of important concepts, tips on real-world applications, and compact case studies illustrate the most sought-after skills and the pitfalls you should watch out for. This new fifth edition features new case studies, new information on engaging stakeholders, change management, new guidance on using Agile techniques, and new content that integrates current events and trends in the project management sphere. Project management is a complex role, with seemingly conflicting demands that must be coordinated into a single, overarching, executable strategy — all within certain time, resource, and budget constraints. This book shows you how to get it all together and get it done, with expert guidance every step of the way. Navigate complex management issues effectively Master key concepts and real-world applications Learn from case studies of today's leading experts Keep your project on track, on time, and on budget From finding the right sponsor to clarifying objectives to setting a realistic schedule and budget projection, all across different departments, executive levels, or technical domains, project management incorporates a wide range of competencies. The Fast Forward MBA in Project Management shows you what you need to know, the best way to do it, and what to watch out for along the way.

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