

A Field Guide To Continuous Delivery

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Effective DevOps - Jennifer Davis 2016-05-30

Some companies think that adopting devops means bringing in specialists or a host of new tools. With this practical guide, you'll learn why devops is a professional and cultural movement that calls for change from inside your organization. Authors Ryn Daniels and Jennifer Davis provide several approaches for improving collaboration within teams, creating affinity among teams, promoting efficient tool usage in your company, and scaling up what works throughout your organization's inflection points. Devops stresses iterative efforts to break down information silos, monitor relationships, and repair misunderstandings that arise between and within teams in your organization. By applying the actionable strategies in this book, you can make sustainable changes in your environment regardless of your level within your organization. Explore the foundations of devops and learn the four pillars of effective devops Encourage collaboration to help individuals work together and build durable and long-lasting relationships Create affinity among teams while balancing differing goals or metrics Accelerate cultural direction by selecting tools and workflows that complement your organization Troubleshoot common problems and misunderstandings that can arise throughout the organizational lifecycle Learn from case studies from organizations and individuals to help inform your own devops journey

Lost and Founder - Rand Fishkin 2018-04-24

Rand Fishkin, the founder and former CEO of Moz, reveals how traditional Silicon Valley "wisdom" leads far too many startups astray, with the transparency and humor that his hundreds of thousands of blog readers have come to love. Everyone knows how a startup story is supposed to go: A young, brilliant entrepreneur has a cool idea, drops out of college, defies the doubters, overcomes all odds, makes billions, and becomes the envy of the technology world. This is not that story. It's not that things went badly for Rand Fishkin; they just weren't quite so Zuckerberg-esque. His company, Moz, maker of marketing software, is now a \$45 million/year business, and he's one of the world's leading experts on SEO. But his business and reputation took fifteen years to grow, and his startup began not in a Harvard dorm room but as a mother-and-son family business that fell deeply into debt. Now Fishkin pulls back the curtain on tech startup mythology, exposing the ups and downs of startup life that most CEOs would rather keep secret. For instance: A minimally viable product can be destructive if you launch at the wrong moment. Growth hacking may be the buzzword du jour, but initiatives can fizzle quickly. Revenue and growth won't protect you from layoffs. And venture capital always comes with strings attached. Fishkin's hard-won lessons are applicable to any kind of business environment. Up or down the chain of command, at both early stage startups and mature companies, whether your trajectory is riding high or down in the dumps: this book can help solve your problems, and make you feel less alone for having them.

Lean Enterprise - Jez Humble 2020-07-20

How well does your organization respond to changing market conditions, customer needs, and emerging technologies when building software-based products? This practical guide presents Lean and Agile principles and patterns to help you move fast at scale—and demonstrates why and how to apply these paradigms throughout your organization, rather than with just one department or team. Through case studies, you'll learn how successful enterprises have rethought everything from governance and financial management to systems architecture and organizational culture in the pursuit of radically improved performance. Discover how Lean focuses on people and teamwork at every level, in contrast to traditional management practices Approach problem-solving experimentally by exploring solutions, testing assumptions, and getting feedback from real

users Lead and manage large-scale programs in a way that empowers employees, increases the speed and quality of delivery, and lowers costs Learn how to implement ideas from the DevOps and Lean Startup movements even in complex, regulated environments

Choose Your WoW! - Scott W. Ambler 2020

"Hundreds of organizations around the world have already benefited from Disciplined Agile Delivery (DAD). Disciplined Agile (DA) is the only comprehensive tool kit available for guidance on building high-performance agile teams and optimizing your way of working (WoW). As a hybrid of all the leading agile and lean approaches, it provides hundreds of strategies to help you make better decisions within your agile teams, balancing self-organization with the realities and constraints of your unique enterprise context. The highlights of this handbook include: #1. As the official source of knowledge on DAD, it includes greatly improved and enhanced strategies with a revised set of goal diagrams based upon learnings from applying DAD in the field. #2 It is an essential handbook to help coaches and teams make better decisions in their daily work, providing a wealth of ideas for experimenting with agile and lean techniques while providing specific guidance and trade-offs for those "it depends" questions. #3 It makes a perfect study guide for Disciplined Agile certification. Why "fail fast" (as our industry likes to recommend) when you can learn quickly on your journey to high performance? With this handbook, you can make better decisions based upon proven, context-based strategies, leading to earlier success and better outcomes"--

Agile IT Organization Design - Sriram Narayan 2015-06-11

Design IT Organizations for Agility at Scale Aspiring digital businesses need overall IT agility, not just development team agility. In Agile IT Organization Design, IT management consultant and ThoughtWorks veteran Sriram Narayan shows how to infuse agility throughout your organization. Drawing on more than fifteen years' experience working with enterprise clients in IT-intensive industries, he introduces an agile approach to "Business-IT Effectiveness" that is as practical as it is valuable. The author shows how structural, political, operational, and cultural facets of organization design influence overall IT agility—and how you can promote better collaboration across diverse functions, from sales and marketing to product development, and engineering to IT operations. Through real examples, he helps you evaluate and improve organization designs that enhance autonomy, mastery, and purpose: the key ingredients for a highly motivated workforce. You'll find "close range" coverage of team design, accountability, alignment, project finance, tooling, metrics, organizational norms, communication, and culture. For each, you'll gain a deeper understanding of where your organization stands, and clear direction for making improvements. Ready to optimize the performance of your IT organization or digital business? Here are practical solutions for the long term, and for right now. Govern for value over predictability Organize for responsiveness, not lowest cost Clarify accountability for outcomes and for decisions along the way Strengthen the alignment of autonomous teams Move beyond project teams to capability teams Break down tool-induced silos Choose financial practices that are free of harmful side effects Create and retain great teams despite today's "talent crunch" Reform metrics to promote (not prevent) agility Evolve culture through improvements to structure, practices, and leadership—and careful, deliberate interventions

Programming with C++20 - Andreas Fertig 2021-11-26

Programming with C++20 teaches programmers with C++ experience the new features of C++20 and how to apply them. It does so by assuming C++11 knowledge. Elements of the standards between C++11 and C++20 will be briefly introduced, if necessary. However, the focus is

on teaching the features of C++20. You will start with learning about the so-called big four Concepts, Coroutines, `std::ranges`, and modules. The big four are followed by smaller yet not less important features. You will learn about `std::format`, the new way to format a string in C++. In chapter 6, you will learn about a new operator, the so-called spaceship operator, which makes you write less code. You then will look at various improvements of the language, ensuring more consistency and reducing surprises. You will learn how lambdas improved in C++20 and what new elements you can now pass as non-type template parameters. Your next stop is the improvements to the STL. Of course, you will not end this book without learning about what happened in the `constexpr`-world.

Field Guide to Wilderness Medicine E-Book - Paul S. Auerbach
2013-04-26

Field Guide to Wilderness Medicine - based on Dr. Auerbach's critically acclaimed text Wilderness Medicine - offers fast-access solutions to all of the medical situations that can occur in non-traditional settings. From backpack to kayak, or on any mobile device, this indispensable, compact survival guide is detailed enough to cover the clinical presentation and treatment of a full range of wilderness emergencies! Meet a full-range of emergency situations with the utmost effectiveness. Appendices address everything from environment-specific situations to lists of essential supplies, medicines, and many additional topics of care. Compare what you are seeing with line drawings and color plates to quickly and accurately identify skin manifestations, plants, poisonous mushrooms, snakes, spiders, insects, etc. Rapidly retrieve and comprehend wilderness survival information with the aid of an easily accessible format featuring "Signs and Symptoms" and "Treatment" sections in most chapters - combined with bulleted lists and text boxes. Improvise with available materials so you can diagnose and treat a myriad of medical situations with step-by-step how-to explanations and the latest practical advice from wilderness medicine experts. Get guidance on the go with online access to the fully searchable text at Expert Consult, plus bonus downloadable files for Survival Kits. Get the wilderness medicine skills you need now with new chapters on foot problems and care, global humanitarian relief and disaster medicine, Leave No Trace principles, and high-altitude medicine, as well as lists to prepare a variety of survival kits for different settings and patient populations. Improve your competency and readiness with thoroughly revised chapters on shock, maxillofacial trauma, malaria, improvised litters and carries, aeromedical transport, pain management, life-threatening emergencies, and allergic reactions.

The Designer's Field Guide to Collaboration - Caryn Brause
2016-11-18

The Designer's Field Guide to Collaboration provides practitioners and students with the tools necessary to collaborate effectively with a wide variety of partners in an increasingly socially complex and technology-driven design environment. Beautifully illustrated with color images, the book draws on the expertise of top professionals in the allied fields of architecture, landscape architecture, engineering and construction management, and brings to bear research from diverse disciplines such as software development, organizational behavior, and outdoor leadership training. Chapters examine emerging and best practices for effective team building, structuring workflows, enhancing communication, managing conflict, and developing collective vision—all to ensure the highest standards of design excellence. Case studies detail and reflect on the collaborative processes used to create award-winning projects by Studio Gang, Perkins+Will, Tod Williams Billie Tsien Architects | Partners, Gensler, CDR Studio, Mahlum Architects, In.Site:Architecture, and Thornton Tomasetti's Core Studio. The book also provides pragmatic ideas and formal exercises for brainstorming productively, evaluating ideas, communicating effectively, and offering feedback. By emphasizing the productive influence and creative possibilities of collaboration within the changing landscape of architectural production, the book proposes how these practices can be taught in architecture school and expanded in practice. In a changing world that presents increasingly complex challenges, optimizing these collaborative skills will prove not only necessary, but crucial to the process of creating advanced architecture.

Using Liberty for DevOps, Continuous Delivery, and Deployment - Sebastian Carrizo
2015-11-06

This IBM® Redbooks® publication provides an example approach for an agile IT team to implement DevOps capabilities in their software delivery of a Java application. We introduce several tools that show how teams can achieve transparency, traceability, and automation in their application lifecycle to all of the stakeholders to deliver a high-quality

application that meets its initial requirements. The application that is built highlights the composable and dynamic nature of the Liberty run time. The Liberty run time helps developers to get their applications up and running quickly by using only the programming model features that are required for their applications. The target audience for this book is IT developers, IT managers, IT architects, project managers, test managers, test developers, operations managers, and operations developers.

Continuous Integration - Paul M. Duvall
2007-06-29

For any software developer who has spent days in "integration hell," cobbling together myriad software components, Continuous Integration: Improving Software Quality and Reducing Risk illustrates how to transform integration from a necessary evil into an everyday part of the development process. The key, as the authors show, is to integrate regularly and often using continuous integration (CI) practices and techniques. The authors first examine the concept of CI and its practices from the ground up and then move on to explore other effective processes performed by CI systems, such as database integration, testing, inspection, deployment, and feedback. Through more than forty CI-related practices using application examples in different languages, readers learn that CI leads to more rapid software development, produces deployable software at every step in the development lifecycle, and reduces the time between defect introduction and detection, saving time and lowering costs. With successful implementation of CI, developers reduce risks and repetitive manual processes, and teams receive better project visibility. The book covers How to make integration a "non-event" on your software development projects How to reduce the amount of repetitive processes you perform when building your software Practices and techniques for using CI effectively with your teams Reducing the risks of late defect discovery, low-quality software, lack of visibility, and lack of deployable software Assessments of different CI servers and related tools on the market The book's companion Web site, www.integratebutton.com, provides updates and code examples.

Test-driven Development - David Astels
2003

This guide for programmers teaches how to practice Test Driven Development (TDD), also called Test First Development. Contrary to the accepted approach to testing, when you practice TDD you write tests for code before you write the code being tested. This text provides examples in Java.

The Scrum Field Guide - Mitch Lacey
2012

Thousands of IT professionals are being asked to make Scrum succeed in their organizations—including many who weren't involved in the decision to adopt it. If you're one of them, The Scrum Field Guide will give you skills and confidence to adopt Scrum more rapidly, more successfully, and with far less pain and fear. Long-time Scrum practitioner Mitch Lacey identifies major challenges associated with early-stage Scrum adoption, as well as deeper issues that emerge after companies have adopted Scrum, and describes how other organizations have overcome them. You'll learn how to gain "quick wins" that build support, and then use the flexibility of Scrum to maximize value creation across the entire process. In 30 brief, engaging chapters, Lacey guides you through everything from defining roles to setting priorities to determining team velocity, choosing a sprint length, and conducting customer reviews. Along the way, he explains why Scrum can seem counterintuitive, offers a solid grounding in the core agile concepts that make it work, and shows where it can (and shouldn't) be modified. Coverage includes Getting teams on board, and bringing new team members aboard after you've started Creating a "definition of done" for the team and organization Implementing the strong technical practices that are indispensable for agile success Balancing predictability and adaptability in release planning Keeping defects in check Running productive daily standup meetings Keeping people engaged with pair programming Managing culture clashes on Scrum teams Performing "emergency procedures" to get sprints back on track Establishing a pace your team can truly sustain Accurately costing projects, and measuring the value they deliver Documenting Scrum projects effectively Prioritizing and estimating large backlogs Integrating outsourced and offshored components Packed with real-world examples from Lacey's own experience, this book is invaluable to everyone transitioning to agile: developers, architects, testers, managers, and project owners alike.

A Field Guide for Organisation Development - Mike Alsop
2016-03-23

Organisation Development, as a field, is messy, imperfect and hard to get hold of - it is like nailing jelly to the wall. A Field Guide for Organisation Development offers a variety of perspectives and unparalleled

experiences from practitioners and researchers who all share an interest and involvement in Organisation Development (OD). In it are multiple voices, mindsets and practices - not all of which necessarily agree with each other. Leading OD practitioners present a contemporary, practical guide that tackles the dilemmas and polarities that face anyone studying or practising within the OD arena, and encourages them to develop their own particular practice of OD in a way that is appropriate for their context, skills and preferences, while challenging them to look beyond what comes naturally. Here are new ways to support the growth and development of an organisation from modest endeavours that are small in scale to organisation-wide change programmes. A Field Guide for Organisation Development is as comprehensive a resource to support the practice of OD as can be found anywhere. It covers issues of organisational health as well as offering tools aimed at supporting practitioners to survive in the harsh realities of organisational life. It contains chapters on the OD practitioner, on groups, on culture, on data and evaluation. It offers perspectives on change, on the relationship between OD and HR, and on the use of external consultants.

The DevOps 2.0 Toolkit - Viktor Farcic 2016-08-31

Automating the Continuous Deployment Pipeline with Containerized Microservices
About This Book* First principles of devops, Ansible, Docker, Kubernetes, microservices* Architect your software in a better and more efficient way with microservices packed as immutable containers* Practical guide describing an extremely modern and advanced devops toolchain that can be improved continuously
Who This Book Is For
If you are an intermediate-level developer who wants to master the whole microservices development and deployment lifecycle using some of the latest and greatest practices and tools, this is the book for you. Familiarity with the basics of Devops and Continuous Deployment will be useful.
What You Will Learn * Get to grips with the fundamentals of Devops* Architect efficient software in a better and more efficient way with the help of microservices* Use Docker, Kubernetes, Ansible, Ubuntu, Docker Swarm and more* Implement fast, reliable and continuous deployments with zero-downtime and ability to roll-back* Learn about centralized logging and monitoring of your cluster* Design self-healing systems capable of recovery from both hardware and software failures
In Detail
Building a complete modern devops toolchain requires not only the whole microservices development and a complete deployment lifecycle, but also the latest and greatest practices and tools. Victor Farcic argues from first principles how to build a devops toolchain. This book shows you how to chain together Docker, Kubernetes, Ansible, Ubuntu, and other tools to build the complete devops toolkit.
Style and approach
This book follows a unique, hands-on approach familiarizing you to the Devops 2.0 toolkit in a very practical manner. Although there will be a lot of theory, you won't be able to complete this book by reading it in a metro on a way to work. You'll need to be in front of your computer and get your hands dirty.

Agile Technical Practices Distilled - Pedro M. Santos 2019-06-28

Delve deep into the various technical practices, principles, and values of Agile. Key Features
Discover the essence of Agile software development and the key principles of software design
Explore the fundamental practices of Agile working, including test-driven development (TDD), refactoring, pair programming, and continuous integration
Learn and apply the four elements of simple design
Book Description
The number of popular technical practices has grown exponentially in the last few years. Learning the common fundamental software development practices can help you become a better programmer. This book uses the term Agile as a wide umbrella and covers Agile principles and practices, as well as most methodologies associated with it. You'll begin by discovering how driver-navigator, chess clock, and other techniques used in the pair programming approach introduce discipline while writing code. You'll then learn to safely change the design of your code using refactoring. While learning these techniques, you'll also explore various best practices to write efficient tests. The concluding chapters of the book delve deep into the SOLID principles - the five design principles that you can use to make your software more understandable, flexible and maintainable. By the end of the book, you will have discovered new ideas for improving your software design skills, the relationship within your team, and the way your business works. What you will learn
Learn the red, green, refactor cycle of classic TDD and practice the best habits such as the rule of 3, triangulation, object calisthenics, and more
Refactor using parallel change and improve legacy code with characterization tests, approval tests, and Golden Master
Use code smells as feedback to improve your design
Learn the double cycle of ATDD and the outside-in mindset using mocks and stubs correctly in your tests
Understand how

Coupling, Cohesion, Connascence, SOLID principles, and code smells are all related
Improve the understanding of your business domain using BDD and other principles for "doing the right thing, not only the thing right"
Who this book is for
This book is designed for software developers looking to improve their technical practices. Software coaches may also find it helpful as a teaching reference manual. This is not a beginner's book on how to program. You must be comfortable with at least one programming language and must be able to write unit tests using any unit testing framework.

Little Book of Conflict Transformation - John Lederach 2015-01-27

This clearly articulated statement offers a hopeful and workable approach to conflict—that eternally beleaguering human situation. John Paul Lederach is internationally recognized for his breakthrough thinking and action related to conflict on all levels—person-to-person, factions within communities, warring nations. He explores why "conflict transformation" is more appropriate than "conflict resolution" or "management." But he refuses to be drawn into impractical idealism. Conflict Transformation is an idea with a deep reach. Its practice, says Lederach, requires "both solutions and social change." It asks not simply "How do we end something not desired?", but "How do we end something destructive and build something desired?" How do we deal with the immediate crisis, as well as the long-term situation? What disciplines make such thinking and practices possible? A title in The Little Books of Justice and Peacebuilding Series.

Testing Business Ideas - David J. Bland 2019-11-06

A practical guide to effective business model testing
7 out of 10 new products fail to deliver on expectations. Testing Business Ideas aims to reverse that statistic. In the tradition of Alex Osterwalder's global bestseller Business Model Generation, this practical guide contains a library of hands-on techniques for rapidly testing new business ideas. Testing Business Ideas explains how systematically testing business ideas dramatically reduces the risk and increases the likelihood of success for any new venture or business project. It builds on the internationally popular Business Model Canvas and Value Proposition Canvas by integrating Assumptions Mapping and other powerful lean startup-style experiments. Testing Business Ideas uses an engaging 4-color format to: Increase the success of any venture and decrease the risk of wasting time, money, and resources on bad ideas
Close the knowledge gap between strategy and experimentation/validation
Identify and test your key business assumptions with the Business Model Canvas and Value Proposition Canvas
A definitive field guide to business model testing, this book features practical tips for making major decisions that are not based on intuition and guesses. Testing Business Ideas shows leaders how to encourage an experimentation mindset within their organization and make experimentation a continuous, repeatable process.

Continuous Delivery 2.0 - Qiao Liang 2021-12-30

The agile transformation is an act of transforming an organization's form or nature gradually to one that can embrace and thrive in a flexible, collaborative, self-organizing, and fast-changing environment. It seems like most of the companies starting an agile transformation never reach the goal of agility, but there are those few that truly become agile and reap incredible benefits by utilizing DevOps as well. This book introduces the theory and practice of the "double-flywheels model" of Continuous Delivery 2.0: Discovery Loop, which allows information technology (IT) organizations to help businesses figure out the most efficacious ways to develop. Additionally, it explores applications of the Verification Loop that allows IT organizations to deliver value quickly and safely with high quality. Along the way, the book provides an array of insights and case studies that dive into all the aspects of software delivery, and how to implement Continuous Delivery in the most economical way for long-run business development. Features
Organization culture and software architecture
Business requirement management
Pipeline and tooling
Branching and releasing strategy
Automation strategy
Configuration and artefacts management
Deployment and production healthy
The case studies at the end of the book—scenarios in which the author was personally involved—are explored in depth and meticulously detailed in order to represent typical agile transition scenarios that will benefit all readers.

Field Guide to the Birds of Suriname - Arie L. Spaans 2018-11-01

Most of Suriname's land area is covered with tropical rainforest and a must-visit for birdwatchers. In this revised edition of the Field Guide to the Birds of Suriname, all 751 species known to occur in the country are described and depicted in color.

Lean IT - Steven C Bell 2016-04-19

Winner of a Shingo Research and Professional Publication Award Information Technology is supposed to enable business performance and innovation, improve service levels, manage change, and maintain quality and stability, all while steadily reducing operating costs. Yet when an enterprise begins a Lean transformation, too often the IT department is either left out or viewed as an obstacle. What is to be done? Winner of a 2011 Shingo Research and Professional Publication Award, this book shares practical tips, examples, and case studies to help you establish a culture of continuous improvement to deliver IT operational excellence and business value to your organization. Praise for: ...will have a permanent place in my bookshelf. —Gene Kim, Chief Technology Officer, Tripwire, Inc. ... provides an unprecedented look at the role that Lean IT will play in making this revolutionary shift and the critical steps for sustained success. —Steve Castellanos, Lean Enterprise Director, Nike, Inc. Twenty years from now the firms which dominate their industries will have fully embraced Lean strategies throughout their IT organizations. —Scott W. Ambler, Chief Methodologist for Agile and Lean, IBM Rational ... a great survival manual for those needing nimble and adaptive systems. —Dr. David Labby, MD, PhD, Medical Director and Director of Clinical Support and Innovation, CareOregon ... makes a major contribution in an often-ignored but much-needed area. —John Bicheno, Program Director MS in Lean Operations, Cardiff University ... a comprehensive view into the world of Lean IT, a must read! —Dave Wilson, Quality Management, Oregon Health & Science University

Deliverology 101 - Michael Barber 2011

"A Joint Publication With Ontario Principals' Council."

Learning Continuous Integration with Jenkins - Nikhil Pathania 2017-12-20

Speed up the software delivery process and software productivity using the latest features of Jenkins Key Features Take advantage of a Continuous Integration and Continuous Delivery solution to speed up productivity and achieve faster software delivery See all the new features introduced in Jenkins 2.x, such as Pipeline as code, Multibranch pipeline, Docker Plugin, and more Learn to implement Continuous Integration and Continuous Delivery by orchestrating multiple DevOps tools using Jenkins Book Description In past few years, agile software development has seen tremendous growth. There is a huge demand for software delivery solutions that are fast yet flexible to numerous amendments. As a result, Continuous Integration (CI) and Continuous Delivery (CD) methodologies are gaining popularity. This book starts off by explaining the concepts of CI and its significance in the Agile. Next, you'll learn how to configure and set up Jenkins in many different ways. The book exploits the concept of "pipeline as code" and various other features introduced in the Jenkins 2.x release to their full potential. We also talk in detail about the new Jenkins Blue Ocean interface and the features that help to quickly and easily create a CI pipeline. Then we dive into the various features offered by Jenkins one by one, exploiting them for CI and CD. Jenkins' core functionality and flexibility allows it to fit in a variety of environments and can help streamline the development process for all stakeholders. Next, you'll be introduced to CD and will learn how to achieve it using Jenkins. Through this book's wealth of best practices and real-world tips, you'll discover how easy it is to implement CI and CD using Jenkins. What you will learn Get to know some of the most popular ways to set up Jenkins See all the new features introduced in the latest Jenkins, such as pipeline as code, Multibranch pipeline, and more Manage users, projects, and permissions in Jenkins to ensure better security Leverage the power of plugins in Jenkins Learn how to create a CI pipeline using Jenkins Blue Ocean Create a distributed build farm using Docker and use it with Jenkins Implement CI and CD using Jenkins See the difference between CD and Continuous Deployment Understand the concepts of CI Who this book is for The book is for those with little or no previous experience with Agile or CI and CD. It's a good starting point for anyone new to this field who wants to leverage the benefits of CI and CD to increase productivity and reduce delivery time. It's ideal for Build and Release engineers, DevOps engineers, SCM (Software Configuration Management) engineers, developers, testers, and project managers. If you're already using Jenkins for CI, you can take your project to the next level—CD.

SharePoint 2013 Field Guide - Errin O'Connor 2014-05-27

Covers SharePoint 2013, Office 365's SharePoint Online, and Other Office 365 Components In SharePoint 2013 Field Guide, top consultant Errin O'Connor and the team from EPC Group bring together best practices and proven strategies drawn from hundreds of successful SharePoint and Office 365 engagements. Reflecting this unsurpassed experience, they guide you through deployments of every type, including

the latest considerations around private, public, and hybrid cloud implementations, from ECM to business intelligence (BI), as well as custom development and identity management. O'Connor reveals how world-class consultants approach, plan, implement, and deploy SharePoint 2013 and Office 365's SharePoint Online to maximize both short- and long-term value. He covers every phase and element of the process, including initial "whiteboarding"; consideration around the existing infrastructure; IT roadmaps and the information architecture (IA); and planning for security and compliance in the new IT landscape of the hybrid cloud. SharePoint 2013 Field Guide will be invaluable for implementation team members ranging from solution architects to support professionals, CIOs to end-users. It's like having a team of senior-level SharePoint and Office 365 hybrid architecture consultants by your side, helping you optimize your success from start to finish! Detailed Information on How to... Develop a 24-36 month roadmap reflecting initial requirements, longterm strategies, and key unknowns for organizations from 100 users to 100,000 users Establish governance that reduces risk and increases value, covering the system as well as information architecture components, security, compliance, OneDrive, SharePoint 2013, Office 365, SharePoint Online, Microsoft Azure, Amazon Web Services, and identity management Address unique considerations of large, global, and/or multilingual enterprises Plan for the hybrid cloud (private, public, hybrid, SaaS, PaaS, IaaS) Integrate SharePoint with external data sources: from Oracle and SQL Server to HR, ERP, or document management for business intelligence initiatives Optimize performance across multiple data centers or locations including US and EU compliance and regulatory considerations (PHI, PII, HIPAA, Safe Harbor, etc.) Plan for disaster recovery, business continuity, data replication, and archiving Enforce security via identity management and authentication Safely support mobile devices and apps, including BYOD Implement true records management (ECM/RM) to support legal/compliance requirements Efficiently build custom applications, workflows, apps and web parts Leverage Microsoft Azure or Amazon Web Services (AWS)

Agile Application Security - Laura Bell 2017-09-08

Agile continues to be the most adopted software development methodology among organizations worldwide, but it generally hasn't integrated well with traditional security management techniques. And most security professionals aren't up to speed in their understanding and experience of agile development. To help bridge the divide between these two worlds, this practical guide introduces several security tools and techniques adapted specifically to integrate with agile development. Written by security experts and agile veterans, this book begins by introducing security principles to agile practitioners, and agile principles to security practitioners. The authors also reveal problems they encountered in their own experiences with agile security, and how they worked to solve them. You'll learn how to: Add security practices to each stage of your existing development lifecycle Integrate security with planning, requirements, design, and at the code level Include security testing as part of your team's effort to deliver working software in each release Implement regulatory compliance in an agile or DevOps environment Build an effective security program through a culture of empathy, openness, transparency, and collaboration

Continuous Delivery - Jez Humble 2010-07-27

Winner of the 2011 Jolt Excellence Award! Getting software released to users is often a painful, risky, and time-consuming process. This groundbreaking new book sets out the principles and technical practices that enable rapid, incremental delivery of high quality, valuable new functionality to users. Through automation of the build, deployment, and testing process, and improved collaboration between developers, testers, and operations, delivery teams can get changes released in a matter of hours— sometimes even minutes—no matter what the size of a project or the complexity of its code base. Jez Humble and David Farley begin by presenting the foundations of a rapid, reliable, low-risk delivery process. Next, they introduce the "deployment pipeline," an automated process for managing all changes, from check-in to release. Finally, they discuss the "ecosystem" needed to support continuous delivery, from infrastructure, data and configuration management to governance. The authors introduce state-of-the-art techniques, including automated infrastructure management and data migration, and the use of virtualization. For each, they review key issues, identify best practices, and demonstrate how to mitigate risks. Coverage includes • Automating all facets of building, integrating, testing, and deploying software • Implementing deployment pipelines at team and organizational levels • Improving collaboration between developers, testers, and operations •

Developing features incrementally on large and distributed teams • Implementing an effective configuration management strategy • Automating acceptance testing, from analysis to implementation • Testing capacity and other non-functional requirements • Implementing continuous deployment and zero-downtime releases • Managing infrastructure, data, components and dependencies • Navigating risk management, compliance, and auditing Whether you're a developer, systems administrator, tester, or manager, this book will help your organization move from idea to release faster than ever—so you can deliver value to your business rapidly and reliably.

The Scrum Field Guide - Mitch Lacey 2015-12-22

Thousands of organizations are adopting Scrum to transform the way they execute complex projects, in software and beyond. This guide will give you the skills and confidence needed to deploy Scrum, resulting in high-performing teams and satisfied customers. Drawing on years of hands-on experience helping companies succeed, Certified Scrum Trainer (CST) Mitch Lacey helps you overcome the major challenges of Scrum adoption and the deeper issues that emerge later. Extensively revised to reflect improved Scrum practices and tools, this edition adds an all-new section of tips from the field. Lacey covers many new topics, including immersive interviewing, collaborative estimation, and deepening business alignment. In 35 engaging chapters, you'll learn how to build support and maximize value across your company. Now part of the renowned Mike Cohn Signature Series on agile development, this pragmatic guide addresses everything from establishing roles and priorities to determining team velocity, setting sprint length, and conducting customer reviews. Coverage includes Bringing teams and new team members on board Creating a workable definition of "done" Planning for short-term wins, and removing impediments to success Balancing predictability and adaptability in release planning Running productive daily scrums Fixing failing sprints Accurately costing projects, and measuring the value they deliver Managing risks in dynamic Scrum projects Prioritizing and estimating backlogs Working with distributed and offshore teams Institutionalizing improvements, and extending agility throughout the organization Packed with real-world examples straight from Lacey's experience, this book will be invaluable to anyone transitioning to Scrum, seeking to improve their early results, or trying to get back on track.

Florida Regional Common EMS Protocols Field Guide - 2004-10

Designed as a companion to the Florida Regional Common EMS Protocols manual, this pocket-sized, spiral bound field guide allows for fast reference in the field. The protocols in the field guide are based on National Standards and the most recent clinical studies regarding the delivery of prehospital care.

The Lean IT Field Guide - Michael A. Orzen 2017-11-20

How many IT books have you read that are long on theory and short on practical application? They are interesting, but not very impactful. They provide a framework from which to think and understand, but lack a process from which to act. Addressing this urgent need for the IT community, The Lean IT Field Guide explains how to initiate, execute, and sustain a lean IT transformation. Illuminating a clear path to lean IT, the authors integrate more than two decades of combined experience to provide you with a proven method for creating and sustaining a true lean IT workplace. This field guide not only highlights the organizational techniques of more agile and lean processes, but also the leadership work required to help management adopt these new approaches. Based on proven methods from different industries, including banking, manufacturing, insurance, food and beverage, and logistics, the book details a clear model that covers all the components you need to achieve and sustain a favorable work environment and culture in support of lean IT. Filled with anecdotes and case studies from actual businesses, the book includes pictures, templates, and examples that illustrate the application of the lean methods discussed.

Learning Continuous Integration with Jenkins - Nikhil Pathania 2016-05-31

A beginner's guide to implementing Continuous Integration and Continuous Delivery using Jenkins About This Book Speed up and increase software productivity and software delivery using Jenkins Automate your build, integration, release, and deployment processes with Jenkins—and learn how continuous integration (CI) can save you time and money Explore the power of continuous delivery using Jenkins through powerful real-life examples Who This Book Is For This book is for anyone who wants to exploit the power of Jenkins. This book serves a great starting point for those who are in the field DevOps and would like to leverage the benefits of CI and continuous delivery in order to

increase productivity and reduce delivery time. What You Will Learn Take advantage of a continuous delivery solution to achieve faster software delivery Speed up productivity using a continuous Integration solution through Jenkins Understand the concepts of CI and continuous delivery Orchestrate many DevOps tools using Jenkins to automate builds, releases, deployment, and testing Explore the various features of Jenkins that make DevOps activities a piece of cake Configure multiple build machines in Jenkins to maintain load balancing Manage users, projects, and permissions in Jenkins to ensure better security Leverage the power of plugins in Jenkins In Detail In past few years, Agile software development has seen tremendous growth across the world. There is huge demand for software delivery solutions that are fast yet flexible to frequent amendments. As a result, CI and continuous delivery methodologies are gaining popularity. Jenkins' core functionality and flexibility allows it to fit in a variety of environments and can help streamline the development process for all stakeholders. This book starts off by explaining the concepts of CI and its significance in the Agile world with a whole chapter dedicated to it. Next, you'll learn to configure and set up Jenkins. You'll gain a foothold in implementing CI and continuous delivery methods. We dive into the various features offered by Jenkins one by one exploiting them for CI. After that, you'll find out how to use the built-in pipeline feature of Jenkins. You'll see how to integrate Jenkins with code analysis tools and test automation tools in order to achieve continuous delivery. Next, you'll be introduced to continuous deployment and learn to achieve it using Jenkins. Through this book's wealth of best practices and real-world tips, you'll discover how easy it is to implement a CI service with Jenkins. Style and approach This is a step-by-step guide to setting up a CI and continuous delivery system loaded with hands-on examples

Relationship-Based Care Field Guide - Mary Koloroutis 2007-10-01

This follow up title to the award winning Relationship-Based Care: A Model for Transforming Practice shows readers how Relationship-Based Care transforms the culture of care delivery. Written as a field guide, this book will inspire those who are working on the critical relationships that deliver superior care. The Relationship-Based Care Field Guide gives readers a sense of what It's like to be part of an organization that never stops evolving. Long after Relationship-Based Care is alive and thriving in your organization, it will continue to grow and change. It is an essential resource, no matter where you are on your RBC journey!

DevOps with Kubernetes - Hideto Saito 2017-10-16

Learn to implement DevOps using Docker & Kubernetes. About This Book Learning DevOps, container, and Kubernetes within one book. Leverage Kubernetes as a platform to deploy, scale, and run containers efficiently. A practical guide towards container management and orchestration Who This Book Is For This book is targeted for anyone, who wants to learn containerization and clustering in a practical way using Kubernetes. No prerequisite skills required, however, essential DevOps skill and public/private Cloud knowledge will accelerate the reading speed. If you're advanced readers, you can also get a deeper understanding of all the tools and technique described in the book. What You Will Learn Learn fundamental and advanced DevOps skills and tools Get a comprehensive understanding for container Learn how to move your application to container world Learn how to manipulate your application by Kubernetes Learn how to work with Kubernetes in popular public cloud Improve time to market with Kubernetes and Continuous Delivery Learn how to monitor, log, and troubleshoot your application with Kubernetes In Detail Containerization is said to be the best way to implement DevOps. Google developed Kubernetes, which orchestrates containers efficiently and is considered the frontrunner in container orchestration. Kubernetes is an orchestrator that creates and manages your containers on clusters of servers. This book will guide you from simply deploying a container to administrate a Kubernetes cluster, and then you will learn how to do monitoring, logging, and continuous deployment in DevOps. The initial stages of the book will introduce the fundamental DevOps and the concept of containers. It will move on to how to containerize applications and deploy them into. The book will then introduce networks in Kubernetes. We then move on to advanced DevOps skills such as monitoring, logging, and continuous deployment in Kubernetes. It will proceed to introduce permission control for Kubernetes resources via attribute-based access control and role-based access control. The final stage of the book will cover deploying and managing your container clusters on the popular public cloud Amazon Web Services and Google Cloud Platform. At the end of the book, other orchestration frameworks, such as Docker Swarm mode, Amazon ECS, and Apache Mesos will be discussed. Style and approach Readers will be

taken through fundamental DevOps skills and Kubernetes concept and administration with detailed examples. It introduces comprehensive DevOps topics, including microservices, automation tools, containers, monitoring, logging, continuous delivery, and popular public cloud environments. At each step readers will learn how to leverage Kubernetes in their everyday lives and transform their original delivery pipeline for fast and efficient delivery.

Unbored - Joshua Glenn 2013-07-18

Unbored is the book every modern child needs. Brilliantly walking the line between cool and constructive, it's crammed with activities that are not only fun and doable but that also get kids standing on their own two feet. If you're a kid, you can: -- Build a tipi or an igloo -- Learn to knit -- Take stuff apart and fix it -- Find out how to be constructively critical -- Film a stop-action movie or edit your own music -- Do parkour like James Bond -- Make a little house for a mouse from lollipop sticks -- Be independent! Catch a bus solo or cook yourself lunch -- Make a fake exhaust for your bike so it sounds like you're revving up a motorcycle -- Design a board game -- Go camping (or glamping) -- Plan a road trip -- Get proactive and support the causes you care about -- Develop your taste and decorate your own room -- Make a rocket from a coke bottle -- Play farting games There are gross facts and fascinating stories, reports on what stuff is like (home schooling, working in an office...), Q&As with inspiring grown-ups, extracts from classic novels, lists of useful resources and best ever lists like the top clean rap songs, stop-motion movies or books about rebellion. Just as kids begin to disappear into their screens, here is a book that encourages them to use those tech skills to be creative, try new things and change the world. And it gets parents to join in. Unbored is fully illustrated, easy to use and appealing to young and old, girl and boy. Parents will be comforted by its anti-perfectionist spirit and humour. Kids will just think it's brilliant.

A Practical Guide to Continuous Delivery - Eberhard Wolff 2017-02-24

Using Continuous Delivery, you can bring software into production more rapidly, with greater reliability. A Practical Guide to Continuous Delivery is a 100% practical guide to building Continuous Delivery pipelines that automate rollouts, improve reproducibility, and dramatically reduce risk. Eberhard Wolff introduces a proven Continuous Delivery technology stack, including Docker, Chef, Vagrant, Jenkins, Graphite, the ELK stack, JBehave, and Gatling. He guides you through applying these technologies throughout build, continuous integration, load testing, acceptance testing, and monitoring. Wolff's start-to-finish example projects offer the basis for your own experimentation, pilot programs, and full-fledged deployments. A Practical Guide to Continuous Delivery is for everyone who wants to introduce Continuous Delivery, with or without DevOps. For managers, it introduces core processes, requirements, benefits, and technical consequences. Developers, administrators, and architects will gain essential skills for implementing and managing pipelines, and for integrating Continuous Delivery smoothly into software architectures and IT organizations. Understand the problems that Continuous Delivery solves, and how it solves them Establish an infrastructure for maximum software automation Leverage virtualization and Platform as a Service (PaaS) cloud solutions Implement build automation and continuous integration with Gradle, Maven, and Jenkins Perform static code reviews with SonarQube and repositories to store build artifacts Establish automated GUI and textual acceptance testing with behavior-driven design Ensure appropriate performance via capacity testing Check new features and problems with exploratory testing Minimize risk throughout automated production software rollouts Gather and analyze metrics and logs with Elasticsearch, Logstash, Kibana (ELK), and Graphite Manage the introduction of Continuous Delivery into your enterprise Architect software to facilitate Continuous Delivery of new capabilities

Continuous Integration, Delivery, and Deployment - Sander Rossel 2017-10-30

Getting started with the processes and the tools to continuously deliver high-quality software About This Book Incorporate popular development practices to prevent messy code Automate your build, integration, release, and deployment processes with Jenkins, Git, and Gulp?and learn how continuous integration (CI) can save you time and money Gain an end-to-end overview of Continuous Integration using different languages (JavaScript and C#) and tools (Gulp and Jenkins) Who This Book Is For This book is for developers who want to understand and implement Continuous Integration and Delivery in their daily work. A basic knowledge of at least JavaScript and HTML/CSS is required. Knowing C# and SQL will come in handy. Most programmers who have programmed in a (compiled) C-like language will be able to follow along. What You Will Learn Get to know all the aspects of Continuous Integration,

Deployment, and Delivery Find out how Git can be used in a CI environment Set up browser tests using Karma and Selenium and unit tests using Jasmine Use Node.js, npm, and Gulp to automate tasks such as linting, testing, and minification Explore different Jenkins jobs to integrate with Node.js and C# projects Perform Continuous Delivery and Deployment using Jenkins Test and deliver a web API In Detail The challenge faced by many teams while implementing Continuous Deployment is that it requires the use of many tools and processes that all work together. Learning and implementing all these tools (correctly) takes a lot of time and effort, leading people to wonder whether it's really worth it. This book sets up a project to show you the different steps, processes, and tools in Continuous Deployment and the actual problems they solve. We start by introducing Continuous Integration (CI), deployment, and delivery as well as providing an overview of the tools used in CI. You'll then create a web app and see how Git can be used in a CI environment. Moving on, you'll explore unit testing using Jasmine and browser testing using Karma and Selenium for your app. You'll also find out how to automate tasks using Gulp and Jenkins. Next, you'll get acquainted with database integration for different platforms, such as MongoDB and PostgreSQL. Finally, you'll set up different Jenkins jobs to integrate with Node.js and C# projects, and Jenkins pipelines to make branching easier. By the end of the book, you'll have implemented Continuous Delivery and deployment from scratch. Style and approach This practical book takes a step-by-step approach to explaining all the concepts of Continuous Integration and delivery, and how it can help you deliver a high-quality product.

The Government Leader's Field Guide to Organizational Agility - Sarah C. Miller 2021-09-07

This is the first book to fully adapt the principles of agility for government leaders who want to make their organizations more effective and nimble while better serving their public mission. This practical resource will equip government leaders at all levels with evidence-based, hands-on guidance for transforming their organizations, enabling them to better serve the public and their customers. While many books focus on organizational agility for leaders of for-profit companies, this is the first one tailored to the unique requirements government leaders face. They must find a way to accomplish their mission while navigating constant change. Government leaders at all levels must maneuver their organizations through new, often complex challenges, ranging from new laws that impact their agencies, new technologies, changes in leadership, and unexpected events. By explaining how to manage and organize work differently, this guide will help leaders weather the storm of that constant change so they can help their agencies realize their missions and serve the public interest.

Pro Continuous Delivery - Nikhil Pathania 2017-07-05

Follow this step-by-step guide for creating a continuous delivery pipeline using all of the new features in Jenkins 2.0 such as Pipeline as a Code, multi-branch pipeline, and more. You will learn three crucial elements for achieving a faster software delivery pipeline: a fungible build/test environment, manageable and reproducible pipelines, and a scalable build/test infrastructure. Pro Continuous Delivery demonstrates how to create a highly available, active/passive Jenkins server using some niche technologies. What You'll Learn Create a highly available, active/passive Jenkins server using CoreOS and Docker, and using Pacemaker and Corosync Use a Jenkins multi-branch pipeline to automatically perform continuous integration whenever there is a new branch in your source control system Describe your continuous delivery pipeline with Jenkinsfile Host Jenkins server on a cloud solution Run Jenkins inside a container using Docker Discover how the distributed nature of Git and the "merge before build" feature of Jenkins can be used to implement gated check-in Implement a scalable build farm using Docker and Kubernetes Who This Book Is For You have experience implementing continuous integration and continuous delivery using Jenkins freestyle Jobs and wish to use the new Pipeline as a Code feature introduced in Jenkins 2.0 Your source code is on a Git-like version control system (Git, GitHub, GitLab, etc.) and you wish to leverage the advantages of a multi-branch pipeline in Jenkins Your infrastructure is on a Unix-like platform and you wish to create a scalable, distributed build/test farm using Docker or Kubernetes You are in need of a highly available system for your Jenkins Server using open source tools and technologies [Hands-on Pipeline as Code with Jenkins](#) - Ankita Patil 2021-02-11 A step-by-step guide to implementing Continuous Integration and Continuous Delivery (CICD) for Mobile, Hybrid, and Web applications DESCRIPTION The main objective of the book is to create Declarative Pipeline for programming languages such as Java, Android, iOS,

AngularJS, NodeJS, Flutter, Ionic Cordova, and .Net. The book starts by introducing all the areas which encompass the field of DevOps Practices. It covers definition of DevOps, DevOps history, benefits of DevOps culture, DevOps and Value Streams, DevOps practices, different Pipeline types such as Build Pipeline, Scripted Pipeline, Declarative Pipeline, and Blue Ocean. Each chapter focuses on Pipeline that includes Static Code Analysis using SonarQube or Lint tools, Unit tests, calculating code coverage, publishing unit tests and coverage reports, verifying the threshold of code coverage, creating build/package, and distributing package to a specific environment based on the type of programming language. The book will also teach you how to use different deployment distribution environments such as Azure App Services, Docker, Azure Container Services, Azure Kubernetes Service, and App Center. By the end, you will be able to implement DevOps Practices using Jenkins effectively and efficiently.

KEY FEATURES

- Understand how and when Continuous Integration makes a difference
- Learn how to create Declarative Pipeline for Continuous Integration and Continuous Delivery
- Understand the importance of Continuous Code Inspection and Code Quality
- Learn to publish Unit Test and Code Coverage in Declarative Pipeline
- Understand the importance of Quality Gates and Build Quality

WHAT YOU WILL LEARN

- Use Multi-Stage Pipeline (Pipeline as a Code) to implement Continuous Integration and Continuous Delivery.
- Create and configure Cloud resources using Platform as a Service Model
- Deploy apps to Azure App Services, Azure Kubernetes and containers
- Understand how to distribute Mobile Apps (APK and IPA) to App Center
- Improve Code Quality and Standards using Continuous Code Inspection

WHO THIS BOOK IS FOR This book is for DevOps Consultants, DevOps Evangelists, DevOps Engineers, Technical Specialists, Technical Architects, Cloud Experts, and Beginners. Having a basics knowledge of Application development and deployment, Cloud Computing, and DevOps Practices would be an added advantage.

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Modern Software Engineering - David Farley 2021-12-10

Writing for students at all levels of experience, Farley illuminates durable principles at the heart of effective software development. He distills the discipline into two core exercises: first, learning and

exploration, and second, managing complexity. For each, he defines principles that can help students improve everything from their mindset to the quality of their code, and describes approaches proven to promote success. Farley's ideas and techniques cohere into a unified, scientific, and foundational approach to solving practical software development problems within realistic economic constraints. This general, durable, and pervasive approach to software engineering can help students solve problems they haven't encountered yet, using today's technologies and tomorrow's. It offers students deeper insight into what they do every day, helping them create better software, faster, with more pleasure and personal fulfillment.

The Field Guide to Human Error Investigations - Sidney Dekker
2017-11-01

This title was first published in 2002: This field guide assesses two views of human error - the old view, in which human error becomes the cause of an incident or accident, or the new view, in which human error is merely a symptom of deeper trouble within the system. The two parts of this guide concentrate on each view, leading towards an appreciation of the new view, in which human error is the starting point of an investigation, rather than its conclusion. The second part of this guide focuses on the circumstances which unfold around people, which causes their assessments and actions to change accordingly. It shows how to "reverse engineer" human error, which, like any other component, needs to be put back together in a mishap investigation.

iOS 11 Swift Programming Cookbook - Vandad Nahavandipoor
2017-12-06

iOS 11, Swift 4, and Xcode 9 provide many new APIs for iOS developers. With this cookbook, you'll learn more than 170 proven solutions for tackling the latest features in iOS 11 and watchOS 4, including new ways to use Swift and Xcode to make your day-to-day app development life easier. This collection of code-rich recipes also gets you up to speed on continuous delivery and continuous integration systems. Ideal for intermediate and advanced iOS developers looking to work with the newest version of iOS, these recipes include reusable code on GitHub, so you can put them to work in your project right away. Among the topics covered in this book: New features in Swift 4 and Xcode 9 Tools for continuous delivery and continuous integration Snapshot testing and test automation Creating document-based applications Updated Map view and Core Location features iOS 11's Security and Password Autofill Data storage with Apple's Core Data Creating lively user interfaces with UI Dynamics Building iMessage applications and sticker packages Integrating Siri into your apps with Siri Kit Creating fascinating apps for Apple Watch