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# Devops Best Practices From Real Life Customer Experiences

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Team Topologies

Kubernetes in Production Best Practices

Practical MLOps

Dive into the core DevOps strategies

Cloud-Native Continuous Integration and Delivery

Reignite Business with a Modern DevOps-Enabled Software Factory

DevOps For Dummies

Systems, Software and Services Process Improvement

A Novel about Developers, Digital Disruption, and Thriving in the Age of Data

20th International Conference, PROFES 2019, Barcelona, Spain, November 27-29,

2019, Proceedings

The complete guide to accelerate collaboration with Jenkins, Kubernetes, Terraform and Azure DevOps

Configuration Management Best Practices

Implementing DevOps on AWS

Accelerate

The Science of Lean Software and DevOps: Building and Scaling High Performing Technology Organizations

From Chaos to Continuous Improvement... and Beyond

26th European Conference, EuroSPI 2019, Edinburgh, UK, September 18–20, 2019, Proceedings

Conquering the Job Interview Process

Effective Teamwork, Practical Integration

DevOps Culture and Practice with OpenShift

Build, test, and deploy cloud-native applications in the cloud-native way

DevOps

Devops Best Practices

DevOps: Continuous Delivery, Integration, and Deployment with DevOps

Building a Culture of Collaboration, Affinity, and Tooling at Scale

Software Configuration Management Patterns

Agile DevOps Self-Assessment Maturity Model

Implement and secure DevOps in the public cloud with cutting-edge tools, tips, tricks, and techniques

Site Reliability Engineering

Modern DevOps Practices

Practical Continuous Testing  
Product-Focused Software Process Improvement  
The Unicorn Project  
Organizing Business and Technology Teams for Fast Flow  
Make Agile/DevOps Real  
Build and manage highly available production-ready Kubernetes clusters  
DevOps Troubleshooting  
The Untold Story  
Python for DevOps  
The Practice of Cloud System Administration

*Devops Best Practices  
From Real Life  
Customer Experiences*

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## **COOK RIVERA**

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Team Topologies Packt Publishing Ltd  
DevOps Culture and Practice with  
OpenShiftDeliver continuous business  
value through people, processes, and  
technologyPackt Publishing Ltd

## **Kubernetes in Production Best Practices**

IT Revolution  
Bring the best out of DevOps and build,  
deploy, and maintain applications on  
AWS About This Book Work through  
practical examples and gain DevOps  
best practices to successfully deploy  
applications on AWS Successfully  
provision and operate distributed

application systems and your AWS infrastructure using DevOps Perform Continuous Integration and deployment and fine-tune the way you deliver on AWS Who This Book Is For This book is for system administrators and developers who manage AWS infrastructure and environments and are planning to implement DevOps in their organizations. Those aiming for the AWS Certified DevOps Engineer certification will also find this book useful. Prior experience of operating and managing AWS environments is expected. What You Will Learn Design and deploy infrastructure as code within your AWS Virtual Private Cloud Implement Continuous Integration using AWS Services Configure EC2 instances using SaltStack Implement Continuous

Deployment using Jenkins and the AWS CLI Collect important metrics and log data to gain more insight into infrastructure and applications Troubleshooting popular issues with some less known techniques using the AWS platform In Detail Knowing how to adopt DevOps in your organization is becoming an increasingly important skill for developers, whether you work for a start-up, an SMB, or an enterprise. This book will help you to drastically reduce the amount of time spent on development and increase the reliability of your software deployments on AWS using popular DevOps methods of automation. To start, you will get familiar with the concept of IaC and will learn to design, deploy, and maintain AWS infrastructure. Further on, you'll see

how to design and deploy a Continuous Integration platform on AWS using either open source or AWS provided tools/services. Following on from the delivery part of the process, you will learn how to deploy a newly created, tested, and verified artefact to the AWS infrastructure without manual intervention. You will then find out what to consider in order to make the implementation of Configuration Management easier and more effective. Toward the end of the book, you will learn some tricks and tips to optimize and secure your AWS environment. By the end of the book, you will have mastered the art of implementing DevOps practices onto AWS. Style and approach This book is packed full of real-world examples demonstrating use

cases that help you deploy DevOps best practices on AWS.

### **Practical MLOps** IT Revolution

The Phoenix Project wowed over a half-million readers. Now comes the Wall Street Journal Bestselling The Unicorn Project! “The Unicorn Project is amazing, and I loved it 100 times more than The Phoenix Project...”—FERNANDO CORNAGO, Senior Director Platform Engineering, Adidas “Gene Kim does a masterful job of showing how ... the efforts of many create lasting business advantages for all.”—DR. STEVEN SPEAR, author of The High-Velocity Edge, Sr. Lecturer at MIT, and principal of HVE LLC. “The Unicorn Project is so clever, so good, so crazy enlightening!”—CORNELIA DAVIS, Vice President Of Technology at Pivotal

Software, Inc., Author of Cloud Native Patterns This highly anticipated follow-up to the bestselling title The Phoenix Project takes another look at Parts Unlimited, this time from the perspective of software development. In The Unicorn Project, we follow Maxine, a senior lead developer and architect, as she is exiled to the Phoenix Project, to the horror of her friends and colleagues, as punishment for contributing to a payroll outage. She tries to survive in what feels like a heartless and uncaring bureaucracy and to work within a system where no one can get anything done without endless committees, paperwork, and approvals. One day, she is approached by a ragtag bunch of misfits who say they want to overthrow the existing order, to liberate developers, to

bring joy back to technology work, and to enable the business to win in a time of digital disruption. To her surprise, she finds herself drawn ever further into this movement, eventually becoming one of the leaders of the Rebellion, which puts her in the crosshairs of some familiar and very dangerous enemies. The Age of Software is here, and another mass extinction event looms—this is a story about rebel developers and business leaders working together, racing against time to innovate, survive, and thrive in a time of unprecedented uncertainty...and opportunity. “The Unicorn Project provides insanely useful insights on how to improve your technology business.”—DOMINICA DEGRANDIS, author of Making Work Visible and Director of Digital Transformation at

Tasktop ——— “My goal in writing *The Unicorn Project* was to explore and reveal the necessary but invisible structures required to make developers (and all engineers) productive, and reveal the devastating effects of technical debt and complexity. I hope this book can create common ground for technology and business leaders to leave the past behind, and co-create a better future together.”—Gene Kim, November 2019

*Dive into the core DevOps strategies*

Packt Publishing Ltd

Learn, understand, and apply people-, process-, and technology-related practices to make OpenShift and DevOps adoption a success within your organization.

Cloud-Native Continuous Integration and

Delivery Editora Casa do Código  
Learn to design, implement, measure, and improve DevOps programs that are tailored to your organization. This concise guide assists leaders who are accountable for the rapid development of high-quality software applications. In *DevOps for Digital Leaders*, deep collective experience on both sides of the dev-ops divide informs the global thought leadership and penetrating insights of the authors, all three of whom are cross-portfolio DevOps leaders at CA Technologies. Aruna Ravichandran, Kieran Taylor, and Peter Waterhouse analyze the organizational benefits, costs, freedoms, and constraints of DevOps. They chart the coordinated strategy of organizational change, metrics, lean thinking, and investment

that an enterprise must undertake to realize the full potential of DevOps and reach the sweet spot where accelerating code deployments drive increasing customer satisfaction, revenue, and profitability. Digital leaders are charged to bridge the dev-ops disconnect if their organizations are to survive and flourish in a business world increasingly differentiated by the degree to which dynamic application software development harmonizes with operational resilience and reliability. This short book applies the DevOps perspective to the competitive challenge, faced by every high-performance IT organization today, of integrating and automating open source, cloud, and enterprise tools, processes, and techniques across the software

development life cycle from requirements to release. What You Will Learn: Remove dependencies and constraints so that parallel practices can accelerate the development of defect-free software Automate continuous delivery across the software life cycle to eliminate release bottlenecks, manual labor waste, and technical debt accumulation Generate virtualized production-style testing of applications through real-time behavioral analytics Adopt agile practices so operations teams can support developer productivity with automated feedback, streamline infrastructure monitoring, spot and resolve operations issues before they impact production, and improve customer experience Identify the DevOps metrics appropriate to your



organization and integrate DevOps with your existing best practices and investment. Who This Book Is For: IT leaders in large companies and government agencies who have any level of responsibility for the rapid development of high-quality software applications. The secondary readership is members of development and operations teams, security professionals, and service managers.

### **Reignite Business with a Modern DevOps-Enabled Software Factory**

John Wiley & Sons

Much has changed in technology over the past decade. Data is hot, the cloud is ubiquitous, and many organizations need some form of automation. Throughout these transformations, Python has become one of the most

popular languages in the world. This practical resource shows you how to use Python for everyday Linux systems administration tasks with today's most useful DevOps tools, including Docker, Kubernetes, and Terraform. Learning how to interact and automate with Linux is essential for millions of professionals. Python makes it much easier. With this book, you'll learn how to develop software and solve problems using containers, as well as how to monitor, instrument, load-test, and operationalize your software. Looking for effective ways to "get stuff done" in Python? This is your guide. Python foundations, including a brief introduction to the language. How to automate text, write command-line tools, and automate the filesystem. Linux utilities, package

management, build systems, monitoring and instrumentation, and automated testing Cloud computing, infrastructure as code, Kubernetes, and serverless Machine learning operations and data engineering from a DevOps perspective Building, deploying, and operationalizing a machine learning project

*DevOps For Dummies* Createspace  
Independent Publishing Platform

The overwhelming majority of a software system's lifespan is spent in use, not in design or implementation. So, why does conventional wisdom insist that software engineers focus primarily on the design and development of large-scale computing systems? In this collection of essays and articles, key members of Google's Site Reliability Team explain how and why their commitment to the

entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world. You'll learn the principles and practices that enable Google engineers to make systems more scalable, reliable, and efficient—lessons directly applicable to your organization. This book is divided into four sections: Introduction—Learn what site reliability engineering is and why it differs from conventional IT industry practices Principles—Examine the patterns, behaviors, and areas of concern that influence the work of a site reliability engineer (SRE) Practices—Understand the theory and practice of an SRE's day-to-day work: building and operating large distributed computing systems

Management—Explore Google's best practices for training, communication, and meetings that your organization can use

### **Systems, Software and Services Process Improvement**

Addison-Wesley  
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

*A Novel about Developers, Digital  
Disruption, and Thriving in the Age of  
Data* Packt Publishing Ltd

In *Team Topologies* DevOps consultants  
Matthew Skelton and Manuel Pais share  
secrets of successful team patterns and  
interactions to help readers choose and  
evolve the right team patterns for their  
organization, making sure to keep the  
software healthy and optimize value  
streams. *Team Topologies* will help  
readers discover:

- Team patterns used by successful organizations.
- Common team patterns to avoid with modern software systems.
- When and why to use different team patterns
- How to

evolve teams effectively.

- How to split software and align to teams.

[20th International Conference, PROFES  
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27–29, 2019, Proceedings](#) IT Revolution

DevOps is a cultural and professional  
movement that's trying to break these  
walls. Focused on automation,  
collaboration, tool sharing and  
knowledge sharing, DevOps has been  
revealing that developers and system  
engineers have a lot to learn from one  
another. In this book, Danilo Sato will  
show you how to implement DevOps and  
Continuous Delivery practices so as to  
raise your system's deployment  
frequency at the same time as  
increasing the production application's  
stability and robustness. You will learn  
how to automate a web application's

build and deploy phases and the infrastructure management, how to monitor the system deployed to production, how to evolve and migrate an architecture to the cloud and still get to know several other tools that you can use on your company

[The complete guide to accelerate collaboration with Jenkins, Kubernetes, Terraform and Azure DevOps](#) Cengage Learning

Certified Agile Practitioners or Certified Testing Practitioners or Certified S/4HANA SAP Practitioners or Certified DevOps professionals are on high demand. Organizations seeking to adopt a more agile method or SAP S/4 HANA now always choose Scrum or KANBAN as their framework. Thus, a large part of the team's success depends on a skilled

Professionals. It is on their hands to make a difference in the dynamics and performance of an agile team. Whether you are new to Scrum / KANBAN / DevOps or already an expert, it is always beneficial to know how to prepare for a job interview in this field. Nervous about your interview? You are studying day and night. But still you are very nervous. How to crack the JOB interviews? This book uncovers the different areas under which questions are asked and what are the most commonly asked ones. We hope that these will help you while preparing for your Job interview. This book promises to be a very good starting point for beginners and an asset for those having insight towards Agile, DevOps, Testing Automation, SAP S/4 HANA and Technical best practices. To

make clarity of the programming examples, logic is explained properly as well discussed using comments in program itself. The real-time examples are discussed in detail from simple to complex taking into consideration the requirement of IT consultants. Various sample projects are included in the book and are written in simple language so as to give IT consultants the basic idea of developing projects in Agile & DevOps. The examples given in book are user-focused and have been highly updated including topics, figures, strategies, best practices and real-life examples, demos and case studies. The book features more on practical approach with more examples covering topics from simple to complex one, addressing many of the core concepts and advance topics

also. The book is divided into the following sections: -500 PLUS Real-time GIT, Testing, SAP S/4HANA, Agile & DevOps interview questions and answers-Numerous Tricky Real-time SAP S/4HANA, Agile & DevOps Case Studies and Demos-Stakeholders Agile Survey questions-Common Agile Product Development & Test Automation Myths-Service Oriented Architecture, Client Server Architecture, 4+1 Architecture View Model-Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS)-DevOps Implementation - Approach & Guidelines-Agile Budget Management-Agile Contract Management-Technical best practices-Change Management Process - DevOps-Quality Management Process - DevOps-Get to know what are

continuous integration, continuous delivery, and continuous deployment-Agile & DevOps main goal and challenges-Integrate recent advances in DevOps and process design strategies into practice according to best practice guidelines-Software development and Agile

*Configuration Management Best Practices* Addison-Wesley Professional  
Getting your models into production is the fundamental challenge of machine learning. MLOps offers a set of proven principles aimed at solving this problem in a reliable and automated way. This insightful guide takes you through what MLOps is (and how it differs from DevOps) and shows you how to put it into practice to operationalize your machine learning models. Current and

aspiring machine learning engineers--or anyone familiar with data science and Python--will build a foundation in MLOps tools and methods (along with AutoML and monitoring and logging), then learn how to implement them in AWS, Microsoft Azure, and Google Cloud. The faster you deliver a machine learning system that works, the faster you can focus on the business problems you're trying to crack. This book gives you a head start. You'll discover how to: Apply DevOps best practices to machine learning Build production machine learning systems and maintain them Monitor, instrument, load-test, and operationalize machine learning systems Choose the correct MLOps tools for a given machine learning task Run machine learning models on a variety of

platforms and devices, including mobile phones and specialized hardware

### **Implementing DevOps on AWS**

Addison-Wesley Professional

\*\*\*Over a half-million sold! The sequel, The Unicorn Project, is coming Nov 26\*\*\*  
“Every person involved in a failed IT project should be forced to read this book.”—TIM O’REILLY, Founder & CEO of O’Reilly Media “The Phoenix Project is a must read for business and IT executives who are struggling with the growing complexity of IT.”—JIM WHITEHURST, President and CEO, Red Hat, Inc. Five years after this sleeper hit took on the world of IT and flipped it on it's head, the 5th Anniversary Edition of The Phoenix Project continues to guide IT in the DevOps revolution. In this newly updated and expanded edition of the bestselling

The Phoenix Project, co-author Gene Kim includes a new afterword and a deeper delve into the Three Ways as described in The DevOps Handbook. Bill, an IT manager at Parts Unlimited, has been tasked with taking on a project critical to the future of the business, code named Phoenix Project. But the project is massively over budget and behind schedule. The CEO demands Bill must fix the mess in ninety days or else Bill's entire department will be outsourced. With the help of a prospective board member and his mysterious philosophy of The Three Ways, Bill starts to see that IT work has more in common with a manufacturing plant work than he ever imagined. With the clock ticking, Bill must organize work flow streamline interdepartmental communications, and



effectively serve the other business functions at Parts Unlimited. In a fast-paced and entertaining style, three luminaries of the DevOps movement deliver a story that anyone who works in IT will recognize. Readers will not only learn how to improve their own IT organizations, they'll never view IT the same way again. "This book is a gripping read that captures brilliantly the dilemmas that face companies which depend on IT, and offers real-world solutions."—JEZ HUMBLE, Co-author of *Continuous Delivery*, *Lean Enterprise*, *Accelerate*, and *The DevOps Handbook* ——— "I'm delighted at how The Phoenix Project has reshaped so many conversations in technology. My goal in writing *The Unicorn Project* was to explore and reveal the necessary but

invisible structures required to make developers (and all engineers) productive, and reveal the devastating effects of technical debt and complexity. I hope this book can create common ground for technology and business leaders to leave the past behind, and co-create a better future together."—Gene Kim, November 2019

*Accelerate* IT Revolution

Design, build, and operate scalable and reliable Kubernetes infrastructure for production Key Features Implement industry best practices to build and manage production-grade Kubernetes infrastructure Learn how to architect scalable Kubernetes clusters, harden container security, and fine-tune resource management Understand, manage, and operate complex business

workloads confidently. Although out-of-the-box solutions can help you to get a cluster up and running quickly, running a Kubernetes cluster that is optimized for production workloads is a challenge, especially for users with basic or intermediate knowledge. With detailed coverage of cloud industry standards and best practices for achieving scalability, availability, operational excellence, and cost optimization, this Kubernetes book is a blueprint for managing applications and services in production. You'll discover the most common way to deploy and operate Kubernetes clusters, which is to use a public cloud-managed service from AWS, Azure, or Google Cloud Platform (GCP). This book explores Amazon Elastic Kubernetes Service

(Amazon EKS), the AWS-managed version of Kubernetes, for working through practical exercises. As you get to grips with implementation details specific to AWS and EKS, you'll understand the design concepts, implementation best practices, and configuration applicable to other cloud-managed services. Throughout the book, you'll also discover standard and cloud-agnostic tools, such as Terraform and Ansible, for provisioning and configuring infrastructure. By the end of this book, you'll be able to leverage Kubernetes to operate and manage your production environments confidently. What you will learn

- Explore different infrastructure architectures for Kubernetes deployment
- Implement optimal open source and commercial storage management

solutions Apply best practices for provisioning and configuring Kubernetes clusters, including infrastructure as code (IaC) and configuration as code (CAC) Configure the cluster networking plugin and core networking components to get the best out of them Secure your Kubernetes environment using the latest tools and best practices Deploy core observability stacks, such as monitoring and logging, to fine-tune your infrastructure Who this book is for This book is for cloud infrastructure experts, DevOps engineers, site reliability engineers, and engineering managers looking to design and operate Kubernetes infrastructure for production. Basic knowledge of Kubernetes, Terraform, Ansible, Linux, and AWS is needed to get the most out of this book.

## **The Science of Lean Software and DevOps: Building and Scaling High Performing Technology**

**Organizations** Springer Nature

Integrate Agile ALM and DevOps to Build Better Software and Systems at Lower Cost Agile Application Lifecycle Management (ALM) is a comprehensive development lifecycle that embodies essential Agile principles and guides all activities needed to deliver successful software or systems. Agile ALM embodies Agile Configuration Management (CM) and much more. Flexible and robust, it offers “just enough process” to get the job done and leverages DevOps to enhance interactions among all participants. Agile Application Lifecycle Management offers practical advice and strategies for

implementing Agile ALM in your complex environment. Leading experts Bob Aiello and Leslie Sachs show how to fully leverage Agile benefits without sacrificing structure, traceability, or repeatability. You'll find realistic guidance for managing source code, builds, environments, change control, releases, and more. The authors help you support Agile in organizations that maintain traditional practices; conventional ALM systems; or siloed, non-Agile teams. They also show how to scale Agile ALM to large or distributed teams, and to environments from cloud to mainframe. Coverage includes Understanding key concepts underlying modern application and system lifecycles Creating your best processes for developing your most complex

software and systems Automating build engineering, continuous integration, and continuous delivery/deployment Enforcing Agile ALM controls without compromising productivity Creating effective IT operations that align with Agile ALM processes Gaining more value from testing and retrospectives Making ALM work in the cloud, and across the enterprise Preparing for the future of Agile ALM Today, you need maximum control, quality, and productivity, and this guide will help you achieve those by using Agile ALM, CM, and DevOps together.

**From Chaos to Continuous Improvement... and Beyond** O'Reilly Media

The First Complete Guide to DevOps for Software Architects DevOps promises to

accelerate the release of new software features and improve monitoring of systems in production, but its crucial implications for software architects and architecture are often ignored. In *DevOps: A Software Architect's Perspective*, three leading architects address these issues head-on. The authors review decisions software architects must make in order to achieve DevOps' goals and clarify how other DevOps participants are likely to impact the architect's work. They also provide the organizational, technical, and operational context needed to deploy DevOps more efficiently, and review DevOps' impact on each development phase. The authors address cross-cutting concerns that link multiple functions, offering practical insights into

compliance, performance, reliability, repeatability, and security. This guide demonstrates the authors' ideas in action with three real-world case studies: datacenter replication for business continuity, management of a continuous deployment pipeline, and migration to a microservice architecture.

Comprehensive coverage includes • Why DevOps can require major changes in both system architecture and IT roles • How virtualization and the cloud can enable DevOps practices • Integrating operations and its service lifecycle into DevOps • Designing new systems to work well with DevOps practices • Integrating DevOps with agile methods and TDD • Handling failure detection, upgrade planning, and other key issues • Managing consistency issues arising

from DevOps' independent deployment models • Integrating security controls, roles, and audits into DevOps • Preparing a business plan for DevOps adoption, rollout, and measurement

*26th European Conference, EuroSPI 2019, Edinburgh, UK, September 18-20, 2019, Proceedings "O'Reilly Media, Inc."*

This volume constitutes the refereed proceedings of the 26th European Conference on Systems, Software and Services Process Improvement, EuroSPI conference, held in Edinburgh, Scotland, in September 2019. The 18 revised full papers presented were carefully reviewed and selected from 28 submissions. They are organized in topical sections: Visionary Papers, SPI and Safety and Security, SPI and Assessments, SPI and Future

Qualification & Team Performance, and SPI Manifesto and Culture. The selected workshop papers are also presented and organized in following topical sections: GamifySPI, Digitalisation of Industry, Infrastructure and E-Mobility. -Best Practices in Implementing Traceability. - Good and Bad Practices in Improvement. -Functional Safety and Cybersecurity. - Experiences with Agile and Lean. - Standards and Assessment Models. - Team Skills and Diversity Strategies. - Recent Innovations.

Conquering the Job Interview Process

Addison-Wesley Professional

Today's high-speed and rapidly changing development environments demand equally high-speed security practices. Still, achieving security remains a human endeavor, a core part of designing,

generating and verifying software. Dr. James Ransome and Brook S.E. Schoenfield have built upon their previous works to explain that security starts with people; ultimately, humans generate software security. People collectively act through a particular and distinct set of methodologies, processes, and technologies that the authors have brought together into a newly designed, holistic, generic software development lifecycle facilitating software security at Agile, DevOps speed. —Eric. S. Yuan, Founder and CEO, Zoom Video Communications, Inc. It is essential that we embrace a mantra that ensures security is baked in throughout any development process. Ransome and Schoenfield leverage their abundance of experience and knowledge to clearly

define why and how we need to build this new model around an understanding that the human element is the ultimate key to success. —Jennifer Sunshine Steffens, CEO of IOActive Both practical and strategic, Building in Security at Agile Speed is an invaluable resource for change leaders committed to building secure software solutions in a world characterized by increasing threats and uncertainty. Ransome and Schoenfield brilliantly demonstrate why creating robust software is a result of not only technical, but deeply human elements of agile ways of working. —Jorgen Hesselberg, author of Unlocking Agility and Cofounder of Comparative Agility The proliferation of open source components and distributed software services makes the principles detailed in

Building in Security at Agile Speed more relevant than ever. Incorporating the principles and detailed guidance in this book into your SDLC is a must for all software developers and IT organizations. —George K Tsantes, CEO of Cyberphos, former partner at Accenture and Principal at EY Detailing the people, processes, and technical aspects of software security, *Building in Security at Agile Speed* emphasizes that the people element remains critical because software is developed, managed, and exploited by humans. This book presents a step-by-step process for software security that is relevant to today's technical, operational, business, and development environments with a focus on what humans can do to control and manage the process in the form of

best practices and metrics.

*Effective Teamwork, Practical Integration*  
IT Revolution

Winner of the Shingo Publication Award  
Accelerate your organization to win in the marketplace. How can we apply technology to drive business value? For years, we've been told that the performance of software delivery teams doesn't matter—that it can't provide a competitive advantage to our companies. Through four years of groundbreaking research to include data collected from the State of DevOps reports conducted with Puppet, Dr. Nicole Forsgren, Jez Humble, and Gene Kim set out to find a way to measure software delivery performance—and what drives it—using rigorous statistical methods. This book presents both the



findings and the science behind that research, making the information accessible for readers to apply in their own organizations. Readers will discover how to measure the performance of their teams, and what capabilities they should invest in to drive higher performance. This book is ideal for management at every level.

**DevOps Culture and Practice with OpenShift** Packt Publishing Ltd

Simplify your DevOps roles with DevOps tools and techniques Key Features Learn to utilize business resources effectively to increase productivity and collaboration Leverage the ultimate open source DevOps tools to achieve continuous integration and continuous delivery (CI/CD) Ensure faster time-to-market by reducing overall lead time

and deployment downtime Book Description The implementation of DevOps processes requires the efficient use of various tools, and the choice of these tools is crucial for the sustainability of projects and collaboration between development (Dev) and operations (Ops). This book presents the different patterns and tools that you can use to provision and configure an infrastructure in the cloud. You'll begin by understanding DevOps culture, the application of DevOps in cloud infrastructure, provisioning with Terraform, configuration with Ansible, and image building with Packer. You'll then be taken through source code versioning with Git and the construction of a DevOps CI/CD pipeline using Jenkins, GitLab CI, and Azure Pipelines. This

DevOps handbook will also guide you in containerizing and deploying your applications with Docker and Kubernetes. You'll learn how to reduce deployment downtime with blue-green deployment and the feature flags technique, and study DevOps practices for open source projects. Finally, you'll grasp some best practices for reducing the overall application lead time to ensure faster time to market. By the end of this book, you'll have built a solid foundation in DevOps, and developed the skills necessary to enhance a traditional software delivery process using modern software delivery tools and techniques. What you will learn: Become well versed with DevOps culture

and its practices. Use Terraform and Packer for cloud infrastructure provisioning. Implement Ansible for infrastructure configuration. Use basic Git commands and understand the Git flow process. Build a DevOps pipeline with Jenkins, Azure Pipelines, and GitLab CI. Containerize your applications with Docker and Kubernetes. Check application quality with SonarQube and Postman. Protect DevOps processes and applications using DevSecOps tools. Who this book is for: If you are a developer or a system administrator interested in understanding continuous integration, continuous delivery, and containerization with DevOps tools and techniques, this book is for you.

Best Sellers - Books :

- [The Light We Carry: Overcoming In Uncertain Times](#)
- [A Court Of Wings And Ruin \(a Court Of Thorns And Roses, 3\) By Sarah J. Maas](#)
- [Stop Overthinking: 23 Techniques To Relieve Stress, Stop Negative Spirals, Declutter Your Mind, And Focus On The Present \(the](#)
- [Baking Yesteryear: The Best Recipes From The 1900s To The 1980s](#)
- [Killers Of The Flower Moon: The Osage Murders And The Birth Of The Fbi By David Grann](#)
- [Little Blue Truck's Springtime: An Easter And Springtime Book For Kids By Alice Schertle](#)
- [Flash Cards: Sight Words By Scholastic Teacher Resources](#)
- [The Psychology Of Money: Timeless Lessons On Wealth, Greed, And Happiness](#)
- [Outlive: The Science And Art Of Longevity](#)
- [Outlive: The Science And Art Of Longevity By Peter Attia Md](#)