DevOps Engineering

- ➢ Engineering DevOps: From Chaos to Continuous Improvement and Beyond, Marc Hornbeek

	Engineering DevOps
	Part-01: What is Engineering DevOps, and Why is It Important?
	What is Engineering DevOps?
01	Introduction
	DevOps Engineering Blueprint
	DevOps Engineering Tenets and CALMS
	Origins of DevOps form an Engineering Point of View
	The Dilemma of Defining Engineering DevOps
	DevOps Engineering Terms
	Nine Pillars of Engineering DevOps
	Introduction
	Leadership Pillar
	Collaborative Culture Pillar
	Design for DevOps Pillar
	Continuous Integration (CI) Pillar
	Continuous Testing (CT) Pillar
	Elastic Infrastructure (EI) Pillar
	Continuous Monitoring (CM) Pillar
	Continuous Security Pillar
	Continuous Delivery (CD) Pillar
	Why is Engineering DevOps Important?>
	Introduction
	Engineering DevOps Myths and Realities
	How Will I Know When I Have Engineered DevOps?
	Benefits of Well-Engineered DevOps – ½
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	Cost of Not Engineering DevOps Properly
	Part-02: Engineering People, Process, and Technology for DevOps
	How Should People, Process, and Technology be Engineered for DevOps?
	Does DevOps Engineering Require People to be Engineers?
	DevOps People, Process, and Technology Engineering Maturity Levels
	Three Dimensions of Engineering DevOps – People, Process, and Technology – People
	Three Dimensions of Engineering DevOps – People, Process, and Technology – Process
	Three Dimensions of Engineering DevOps – People, Process, and Technology – Technology
	Twenty-Seven DevOps Engineering Critical Success Factors
	Learn DevOps Value-Stream Pipeline Engineering – 1/3
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	Value-Stream Management (VSM)
	Why Is Value-Stream Management Important to DevOps?

	How Does Value-Stream Management Work with DevOps? – ½
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	What is Needed to Engineer a Value-Stream Management Solution for DevOps?
	Application Release Automation (ARA)
	Why is Application Release Automation Important?
	How Does Application Release Automation Work?
	What is Needed to Implement Well-Engineered ARA?
	Version Management