

DevOps Leader

Overview

The "DevOps Leader" course is designed to equip aspiring and current leaders with the knowledge and skills needed to drive DevOps transformations within their organizations. This course covers the principles, practices, and tools essential for leading DevOps initiatives, fostering a culture of collaboration, and optimizing the delivery of high-quality software.

Course Objectives

- DevOps and time to market
- The business and IT perspectives
- Key differences between DevOps IT and traditional IT
- Planning and organizing
- Understanding performance and culture
- Measurement differences
- Designing a DevOps organization
- Focusing on what matters
- Ideas for organizing workflows
- Sharing information
- Defining meaningful metrics
- Value stream mapping
- The Spotify Squad model
- Managing culture change
- Popular tools and key practices
- Putting it all together

Duration

2 Days

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Course Topics

Module 1	DevOps and Time - What Is DevOps? - Why Do DevOps - Companies Doing DevOps - The Magic Equation
Module 2	Key Differences Between DevOps IT and Traditional IT - What Sets DevOps IT apart from Traditional IT - How DevOps IT is Organized Differently - How to Perform to a Different Standard - How to Use Different Measurements
Module 3	Becoming a DevOps organization - Transformational Leadership - Redesigning An Organization for DevOps - Design Principles - Focus - Work - Information - Metrics
Module 4	Value Stream Mapping - What is Value Stream Mapping? - Why Do We Need to Use this Framework? - Types of Maps - How to Create a Value Stream Map? - Types of Data to Collect - How to Handle Exceptions
Module 5	Squad Organizational Model - Conway's Law - The Problem with Silos - Spotify's Squad Organization Model (Structure, Roles) - Squads - Tribes - Chapters - Guilds - How to Reorganize in Order to Move to this Model

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Module 6	Managing Cultural Change • What is Culture and How Does it Impact Performance? • Types of IT Culture • Cultural Traits of a DevOps Organization • How to Manage Change
Module 7	Culture and its Impact on Performance • Types of IT Culture • What is a DevOps Culture • How To Manage Change • The Three Phases Of Change • Types of Changes That Need to be Implemented
Module 8	Popular DevOps Tools and Practices • DevOps Tools Periodic Table • Top DevOps Tool Categories • Common and Popular Practices