DEVOPS FOUNDATIONS: THE CORE PRINCIPLES AND PRACTICES (AZ-2008)

Course Code: 834053

Explore DevOps practices using GitHub.

Your development and operations teams will experience improved collaboration, agility, continuous integration, continuous delivery, automation, and operational excellence throughout all phases of the application lifecycle.

What You'll Learn

Students will learn to,

- Discover DevOps
- Plan with DevOps
- Develop with DevOps
- Deliver with DevOps
- Operate with DevOps

Who Needs to Attend

Students willing to learn the core principles and practices of DevOps foundations.

Prerequisites

- An Azure Subscription. You need to bring your own subscription.
- Basic familiarity with IT terms and concepts.

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CLASSROOM LIVE	$675 CAD	1 Day

Classroom Live Outline

Module 1: Discover DevOps

- Describe the DevOps approach.
- Explore best practices for fostering DevOps culture.
- Identify DevOps goals and benefits.
- Understand the DevOps application lifecycle.

Module 2: Plan with DevOps

- Describe the components of and the path to a DevOps culture.
- Define the frameworks and methods of the Agile methodology.
- Implement DevOps practices.
- Use GitHub to plan a project.

Module 3: Develop with DevOps

- Define source control and version control.
- Describe how to manage source control with Git.
- Describe how to manage source control with GitHub Flow.
- Define the concept of continuous integration.
- Explore DevOps shift-left testing scenarios.
- Explore DevOps shift-left security scenarios.

Module 4: Deliver with DevOps

- Define the concept of continuous delivery.
- Describe the concept and implementation methods of IaC.
- Review the progressive exposure techniques and deployment practices.
- Explore DevOps shift-right testing scenarios.
- Describe how to implement continuous delivery with GitHub Actions.

Module 5: Operate with DevOps

- Explore the concepts of operational excellence.
- Review infrastructure and application monitoring solutions.
- Review infrastructure and application security monitoring solutions.
- Describe the correlation between SRE and DevOps.

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VIRTUAL CLASSROOM LIVE	$675 CAD	1 Day

Virtual Classroom Live Outline

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Module 2: Plan with DevOps

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PRIVATE GROUP TRAINING	1 Day

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