



Information Technology

Advanced DevOps

Course Introduction

Professionals skilled in Advanced DevOps are highly sought after. Due to their proven ability to deliver applications and services in an agile way, all over the world. Professionals empowered with advanced DevOps strategies bridge the gap between development and operations by leveraging best practices and principles to optimal outcomes.

Target Audience

- Application or Service Developers
- Process/Project/Test Managers
- Test Engineers
- Product Owners
- IT Service Managers
- IT Practitioners

Learning Objectives

- How to design with AWS scalability and high availability in mind
- The importance of high availability architecture and auto-scaling, and where these strategies are better than the traditional architecture.
- Service Level Agreement (SLA) of Amazon Simple Storage Service (Amazon S3).
- Docker Clustering using Docker Swarm and Kubernetes.
- Introduction to the Kubernetes Ecosystem
- Kubernetes Architecture, Networking and Services, and User Tools.
- AWS Cloud Infrastructure as a code.
- AWS Lambda, its functions, triggers, and API gateway.

- Open-source tools for end-to-end CI/CD pipeline automation.

Course Outline

- **Day 01**

 High-Availability (HA) Design using AWS
 - SLA and Cost Implications of AWS
- **Day 02**

 Docker Clustering using Docker Swarm
 - Docker Clustering using Kubernetes
- **Day 03**

 IaaS - Infrastructure as a code
- **Day 04**

 FaaS - Function as a Code (AWS Lambda)
- **Day 05**

 Advanced DevOps (CI/CD pipeline Automation)

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Dec. 15, 2025	Dec. 19, 2025	5 days	4250.00 \$	UAE - Dubai

