FinOps Certified Engineer

Duration: 2 days (8hrs/day)

Prerequisites:

- Understand the basics of how cloud computing works and know the key services from your cloud providers, including their common use cases
- Have a basic understanding of consumption-based billing and pay-as-you-go pricing models
- Can describe the basic value proposition of running in cloud
- Have a base level of knowledge of at least one of the three main public cloud providers (Amazon Web Services, Microsoft Azure, Google Cloud)

Course Objective: This comprehensive course will help engineers to work with FinOps Practitioners and other stakeholders to optimize cloud use and drive business value from cloud operations and also get to know how FinOps is handled with Cloud deployments. How to implement Cloud Cost Optimization techniques.

Demonstration Requirement: Participant with (Azure/Aws/GCP) Trial Account Required

Module 1 – Introduction

Overview of the Cloud FinOps Journey

Module 2 – Cloud Journey for Organizations

Evolution and Adoption of Cloud Computing

Challenges and Best Practices

Module 3 – Data and FOCUS

Importance of Data in Cloud FinOps

Data Collection and Analysis Techniques

Financial Operations and Cloud Usage Strategies

Key Metrics and KPIs

Module 4 – Sustainability

FinOps Partnering with GreenOps

Cloud Carbon Emissions and Green Strategies

Sustainable Cloud Practices

Module 5 – Partnerships

Collaborating with Cloud Service Providers

Working with Engineering Teams

Strategic Vendor Management

Module 6 – The Iron Triangle and Optimizations

Balancing Cost, Speed, and Quality in Cloud FinOps

Implementing Effective Trade-offs

Cost Optimization Techniques

Usage Reduction Strategies

Rightsizing and Efficiency Improvements

Module 7 – Automation

Automating Cost Management Processes

Tools and Techniques for Automation

Integrating Automation into FinOps

Module 8 – Data-Driven Decision Making

Leveraging Data for Better Financial Decisions

Implementing Data-Driven Strategies

Case Studies and Examples