DevOps Training

Course Title: DevOps Training
Duration: 16 hours (4 sessions)

Description:
This course provides a comprehensive introduction to DevOps principles, cloud computing, and modern infrastructure management. It covers essential topics such as Cloud-Native Applications, AWS services, containerization with Docker, and Kubernetes orchestration. Participants will explore practical tools like Terraform and Ansible for infrastructure as code, alongside observability and monitoring techniques crucial for maintaining modern software systems.

Course Highlights:

- Understanding DevOps principles and Cloud-Native architecture
- Introduction to AWS and its key services (EKS, Lambda, CloudFormation)
- Hands-on with Docker for app packaging (Node.js and .NET)
- Mastering Kubernetes for orchestration (Pods, Services, Networking)
- Implementing Infrastructure as Code using Terraform and Ansible
- Exploring observability tools, monitoring systems, and log collection techniques

Prerequisites:

- Basic understanding of software development and IT infrastructure
- Familiarity with command-line tools
- Knowledge of a programming language (e.g., Python, JavaScript, or .NET) is recommended