

# DevOps Course Details

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## ❖ Agenda

- ✓ Introduction
- ✓ Course Syllabus
- ✓ Batch Timing
- ✓ Fees Structure
- ✓ Additional Benefits

## ❖ Course Syllabus

- AWS
  - Linux
  - Git
  - Jenkins
  - GitHub Actions
  - Docker
  - Kubernetes
  - Terraform
  - Monitoring Tools – Nagios & Grafana
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## ❖ AWS

- Introduction
- Free Tier Account Setup
- AWS Console Overview
- Billing Management
- EC2 Create & Manage
- Load Balancer
- Auto Scaling
- IAM User Management
- S3 Bucket
- Lambda Function
- API Gateway
- RDS – MySQL
- DynamoDB
- VPC
- CloudWatch & CloudTrail

- EventBridge & System Manager
- Route53 & ACM
- SQS & SNS
- ECS & ECR
- EKS

## ❖ Linux

- Introduction To Linux
- Linux File System
- User Management
- File Permission Management
- Package Management
- Troubleshooting Commands
- General Commands
- Editors – VI, VIM, Nano
- Cron Management
- Shell Scripting

## ❖ Git

- Introduction To Git
- What is Git, GitHub & GitLab
- Project Setup In Visual Studio
- Git Branching Strategy
- Git Commands
- Git Troubleshooting's

## ❖ Jenkins

- Introduction
- Installation & Setup of Jenkins
- Plugins Management
- User Management
- Pipeline Setup
- Deploy Sample Application
- Master – Slave Architecture Setup
- Logs Monitoring

## ❖ Docker

- Introduction to Docker
- Docker Architecture
- Installation & Setup
- Understand Docker File Structure
- Create First Docker Image
- Docker Hub
- Deploy Container
- Docker Commands
- Multi Stage Builds

## ❖ ECS

- Introduction to ECS
- ECS Architecture
- Setup & Manage
- ECR – Container Registry

## ❖ Kubernetes

- Introduction
- Kubernetes Architecture
- Create & Manage Kubernetes Cluster
- Deploy Sample Application
- Monitor Kubernetes Cluster & Pods
- YAML Files

## ❖ Terraform

- Introduction
- Architecture
- Installation & Manage
- Project Setup
- Deploy Sample Project
- Modules
- Remote S3 Backend
- Integration With AWS
- Terraform Commands
- Live Projects

## ❖ **Monitoring Tools**

- Introduction to Nagios & Grafana
- Installation & Configuration
- Dashboard Setup
- Alerts Creation
- Resource Monitoring

## ❖ **Live Projects**

- Live Projects Using Jenkins, GitHub Actions
- EC2 Based Deployments
- ECS Container Deployment
- Pod Deployment
- Lambda Function Deployment
- SonarQube Integration

## ❖ **Project Management**

- Daily Stand up Calls
- Sprint Planning
- Jira Workflow
- Team Management
- Multiple Team Co-Ordination
- Corporate Work Culture

## ❖ **Additional Benefits**

- Recorded Sessions
- Old Batches Video Access
- Interview Preparation Videos Access
- Interview Questions & Answers
- WhatsApp Group Access For Technical Queries
- Can Attend Future Batch For Any Topics
- Assignments
- Mock Interview
- Resume Tips

## ❖ **Batch Timings**

- Morning 9 am to 11 am  
or
- Evening 8 pm to 10 pm

## ❖ Fees Structure

**One Time:** Rs. 9,500/-

**Installments:** Rs. 5000/- @ Joining + Rs. 5000/- After 15 Days

## Offer Price

Book your seat @ Rs.1000/-

To get offer price Rs. 9000/- Offer valid till 4<sup>th</sup> May 2024



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## ❖ Contact Details

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