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Curriculum of AWS DevOps Certification Course

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AWS Introduction

- Difference Between the CAPEX and OPEX
- What is meant by Cloud Computing?
- Advantages of AWS

DevOps Introductio

- What is meant by DevOps?
- What are the advantages to choose AWS DevOps?
- Difference Between Agile and DevOps Methodology

Git Repository (Version Control)

- GIT introduction
- Installation of GIT
- Master and Branch concept
- Stash Area
- Check-in and check-out process
- Centralized Repository (Git HUB)

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Jenkins (Integration Tool)

- Installation of Jenkins
- How to create CI-CD pipeline
- Complete Lab Setup for Jenkins
- How to install and create Plugins.
- How to deploy into the Production
- How to analyze Whether Reports.

ECS: (Elastic Container Service)

- How to create Docker image (YAML)
- How to build container
- Backup
- Monitoring
- Network
- Cluster
- Fargate in Aws

- Scale-Up and Scale-Down Processes

EKS: (Elastic Kubernetes Service)

- How to build eks cluster platform
- How to Deploy Pod
- AWS CLI installation
- Cloud formation Deployment to build EKS Cluster
- Service POD
- Security
- Load Balancer
- Database Connectivity
- HPA
- Roll Back and Roll Out
- Helm
- Headless
- Elastic Search-Client
- Replication Controller
- Replicas Set
- Ingress Controller
- How to maintain Kubernetes Cluster (Workers Node)
- Stateful-Set

Ansible: (Configuration Management)

- Explanation about Advantages
- Configuration
- How to create Playbook using by YAML
- Adhoc Commands
- Roles

Monitoring

- Cloud Watch
- How to assign threshold for metrics
- Notification
- Troubleshooting

Live Project

- Complete Setup from the scratch.

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- List the features of Oracle Database 11g
- Discuss the basic design, theoretical, and physical aspects of a relational database
- Categorize the different types of SQL statements
- Describe the data set used by the course
- Log on to the database using SQL Developer environment
- Save queries to files and use script files in SQL Developer

Talk to an Admissions Counsellor

We have a team of dedicated admissions counsellors to guide you through the process. They will address questions, assist with financial aid, and give you a detailed understanding of the program

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