Master in GitLab Training

About DevOpsSchool

DevOpsSchool is a unit of "Cotocus PVT ltd" and a leading platform which helps IT organizations and professionals to learn all the emerging technologies and trend which helps them to learn and embrace all the skills, intelligence, innovation and transformation which requires to achieve the end result, quickly and efficiently. We provide over 40 specialized programs on DevOps, Cloud, Containers, Security, AI, ML and on Big Data that are focused on industry requirement and each curriculum is developed and delivered by leading experts in each domain and aligned with the industry standards.

About Course

GitLab Advance Training by DevOpsSchool is the highly demanded course in the area of information technology and IT sectors. GitLab Advance Training focused on GitLab version control system. Our course content is designed from basic to advance level. We have experts Trainers who have more than 15+ years of experience in IT Sectors. Our training is completely hands-on oriented and designed in a way will help you in becoming a certified GitLab Engineer.

DevOpsSchool Provides GitLab Advanced Training and Certification course Live Instructor-Led online training and workshop training in Hyderabad. Who has more than 15 years' experience in IT Company? DevOpsSchool offer online and classroom program worldwide including Bangalore, Hyderabad, Pune, Mumbai, India, Netherlands, etc. Git Advance Training and Certifications course management tools are building structures of software deployment, automation and success delivery and increase in operational efficiency.

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Duration	15 Hours
Mode	Online (Instructor-led, live & Interactive)
Projects (Real time scenario based)	1

FEATURES	DEVOPSSCHOOL	OTHERS
Faculty Profile Check	✔	✖
Lifetime Technical Support	✔	✖
Lifetime LMS access	✔	✖
Top 25 Tools	✔	✖
Interviews Kit	✔	✖
Training Notes	✔	✖
Step by Step Web Based Tutorials	✔	✖
Training Slides	✔	✖
Training + Additional Videos	✔	✖

Training

DevOps As part of this course, you would be strong in DevOps technology. You would learn Linux, Python, DevOps, Docker, Jira, Git, SonarQube, Maven, Ansible, Jenkins, Kubernetes, Datadog, Splunk, NewRelic, Terraform and various other stacks related to this methodology.

Projects

As part of this project, we would help our participant to have first-hand experience of real time software project development planning, coding, deployment, setup and monitoring in production from scratch to end. We would also help participants to visualize a real development environment, testing environment and production environments. Project technology would be based on Java, Python and DOTNET and based on Microservices concept.

Interview

As part of this, you would be given complete interview preparation support until you clear a interview and get on boarded with organization including demo interview and guidance. More than 50 sets of Interview KIT would be given including various project scenario of the projects.

AGENDA OF THE MASTER IN MICROSERVICES

Evolution of Software Development, Model and Practices

Introduction of Microservices

Evolution of Microservices

Microservices Architecture

Microservices Design Principles

Microservices Design Approach

Microservices Messaging & Communication

Microservices Deployment patterns

Microservices Service discovery

Microservices Security

Microservices Performance

Microservices Reliability

Microservices Observability

Technology for Microservices

Overview of Jenkins

Overview of Docker

Overview of Kubernetes

Overview of Datadog

Overview of NewRelic.

Overview of Splunk

Overview of envoy

Overview of Istio

Overview of Consul

Project - Demo - Lab

- Discussion about automating students records challenges of DevOpsSchool.com which leads to writing a software for it. As part of Software development, discussion about various Software architecture, Software development model, software running and hosting platforms etc. discussion on DevOps, DevSecOps, SRE, Agile, Microservices, TDD concepts, principal, practices and tool sets. Small Project Requirement which includes 3 Microservices, Login, and Registration & Students records CRUD operations for devopsschool.com students.

Write a code for "devopsschool-student-login", "devopsschoolstudent-registration" and"devopsschool-student-records" Project including Method --> Classes -> Interface using Core Java. Complete Demo Project using HTMl - CSS - JS - MySql. Convert all code into into SpringBoot project.

Option 2: Python - Write a code for "devopsschool-student-login", "devopsschoolstudent-registration" and"devopsschool-student-records" Project using Python. Complete Demo Project using HTMI - CSS - JS - MySql. Convert all projects into Flask or django framework.

Write some unit test using junit/unittest and UI test using selenium. Build tools should be gradle or Maven. Packaging into war file and archive the package into Artifactory and setup a CI for Build and Testing using Jenkins including deployment and config management using Ansible.

Demo and Lab - Planning using Jira and Github

Demo and Lab - Coding project using SpringBoot or Python

Demo and Lab - Code Versioning and Sharing using Git using Github

Demo and Lab - Code Analysys using SonarQube

Demo and Lab - Code Build using Maven and Gradle

Demo and Lab - Code Testing using Junit and Selenium

Demo and Lab - Code Deployment using Ansible

Demo and Lab - Setting up CI using Jenkins

Overview of Docker

Docker Architecture

Docker Installing and Configuration

Working with Containers

Working with Docker Registry

Working with Docker Compose

Project - Demo - Lab

- Migrate existing projects into containers. Write a Docker file and build Docker images and test the entire components of for "DevOpsSchool-student-login", "devopsschoolstudent-registration" and "devopsschool-student-records". Validate entire application stack using docker-compose setup.

Project - Demo - Lab

Overview of Kubernetes

Kubernetes Architecture

Kubernetes Installing and Configuration

Working with Pods

Working with Deployment

Working with Services

Working with Ingress

Working with Volume

Working with Helm

Project - Demo - Lab

Overview Envoy

Setup and Configure Envoy

Overview Istio

Setup and Configure Istio

Overview Consul

Setup and Configure Consul

Overview Datadog

Setup and Configure Datadog

Monitoring and Alerting Infra with Datadog

Overview NewRelic

Setup and Configure NewRelic

Monitoring and Alerting APM with NewRelic

Overview NewRelic

Setup and Configure Splunk

Monitoring and Alerting Log with Splunk

Project - Demo - Lab

Thank you!

Connect with us for more info

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