

What is Masters in DevOps Engineering?

"Master in DevOps Engineering" program is structured in a way, whether you are an experienced IT professional or a college graduate, this course will help you to integrate all the real-world experience with all the important tools, specialization and job-ready skills.

This "Masters in DevOps Engineering (MDE)" Program is the only course in the WORLD which can make you an expert and proficient Architect in DevOps, DevSecOps and Site Reliability Engineering (SRE) principles together. Our curriculum has been determined by comprehensive research on 10000+ job descriptions across the globe and epitome of 200+ years of industry experience.



Agenda of the Master in DevOps Engineering:-

- Software Development Models, Agile, DevOps, SRE & DevSecOps - Concept
- Software Development Architecture - Monolithic, SOA & Microservices - Concept
- Platform - Operating Systems - Centos and Ubuntu
- Platform - Virtualization & Systems - VirtualBox & Vagrant
- Platform - Cloud - AWS
- Platform - Containers - Docker
- Planning and Designing - Jira & Confluence
- Backend Programming Language 1 - Java
- Backend Programming Language 2 - Python
- Frontend Programming Language - Core HTML + CSS + JS
- Source Code Versioning - Git using Github
- Code Analysis & Securing Code (SAST) - SonarQube & OWASP SonarQube & AppScan CodeSweep
- Database - MySql
- Build Management - Gradle
- Package Management - Artifactory & Packer
- Acceptance Testing - Functional & Regression - HPE UFT
- Acceptance Testing - Web applications - Selenium
- Programming Framework - Python- Flask

- Securing App Runtime (DAST) - AppScan & Fortify Webinspect
- Code Coverage - Jacoco & Coverage.py
- Programming Framework - CSS and JS - Bootstrap & JQuery
- Webserver - Nginx
- Configuration & Deployment Management - Ansible
- Securing infra & compliance - Chef InSpec
- Programming Framework - Java - Spring framework
- Unit Testing - Junit & PyTest
- Container Orchestration - Kubernetes
- Infrastructure Coding - Terraform
- Kubernetes Package Management - Helm
- Services mesh Data planes - Envoy
- Services mesh Control Planes - Istio
- Service Discovery - Consul
- Continuous Integration - Jenkins
- Securing credentials - HashiCorp Vault
- Securing Containers (RASP)- Twistlock
- Securing Kubernetes (RASP) - Notary
- Infrastructure Monitoring Tool 1 - Datadog
- Infrastructure Monitoring Tool 2- Prometheus
- Log Monitoring Tool 1 - Splunk
- Log Monitoring Tool 2 - ELK stack
- Performance & RUM Monitoring - NewRelic

- Emergency Response & Alerting & Chat- Pagerduty & Slack
- Security Through Logs 1 - Splunk SIEM
- Security Through Logs 2 - Elasticsearch with Kibana Security
- Cloud Security service & Practices- AWS Security service
- Monitoring Dashboard Tool - Grafana

What are the benefits of "Master in DevOps Engineering (MDE)" Certification?

- Certifications always play a crucial role in any profession. You may find some DevOps professional's, who will tell you that certifications do not hold much value; DevOps is about culture not any individual skillset or technology. They are right to some extent, but certifications are important or always nice-to-have in your resume.
- There are diverse job roles will be available for a Certified Master DevOps Engineer which includes infrastructure architects, automation architects, DevOps architect, and DevOps consultant, DevSecOps architects, Lead Site reliability engineer etc.
- "Master in DevOps Engineering (MDE) Certification" - This is the only Certification which makes you a certified professional in DevOps, DevSecOps and Site Reliability Engineering (SRE).
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- Almost 42% of companies all over the world want DevOps Engineer, Manager, or consultant in their workforce and 57% of companies want open source experts with masters DevOps skills, but positions are not easily filled. The Master in DevOps Engineering certification proves the skills of certificate holder in DevOps, DevSecOps and SRE thereby guaranteeing a job opportunity for sure.

How DevOpsSchool course would help participants?

DevOpsSchool has the best DevOps trainers, instructors, coaches and consultants who are highly experienced with more than 15 years of IT industry. Our experts have designed the best IT professional Courses, Training, Classes, and Certification by online and classroom mode for 2020-21. It includes various resources to help you learn DevOps and IT professional courses are suitable for beginners, intermediate learners as well as experts.

All training courses are designed to make you a certified practitioner by providing you hands-on, lab-based training that covers the best practices about IT professional courses and Certification.