

DevOps Engineer Training

Industry-Ready IT Skills | Live Projects | Placement Support



CORPORATE TRAINING

NexGenITLabs

We are committed to transforming learners into confident, industry-ready professionals. This program is structured to bridge the gap between academic learning and the real expectations of the corporate world. Whether you're a fresher or looking to gain practical skills, confidence, and opportunity to gain professional competency.



For Registration and Demo

Contact: +91-8431893406, 9844551434

Email: support@nexgenitlabs.com

Seats are limited - enroll now to secure your spot and begin your journey toward a successful career in IT.



Training Mode & Duration

Mode: Offline & Online (Flexible Learning Options)

Duration: 8-12 Weeks

Batch Schedule: Multiple batches available to suit your timing

Training Modules

1. Introduction to DevOps

- What is DevOps?
- SDLC & Agile Methodology
- DevOps Culture, CI/CD Concepts
- Release & Deployment Strategies
- DevOps Tools Overview

2. Linux Fundamentals

- Linux OS Basics
- File System Structure
- User & Permission Management
- Shell Scripting Basics
- System Monitoring Commands

3. Git & Version Control

- Git Basics (clone, commit, push, merge)
- Branching Strategies (Git Flow)
- GitHub / GitLab / Bitbucket
- Pull Requests & Code Reviews

4. Build & Dependency Management

- Maven / Gradle
- Build Lifecycle
- Dependency Management
- Artifact Management (Nexus / JFrog)

5. CI/CD - Jenkins

- Jenkins Installation & Configuration
- Jenkins Pipeline (Freestyle, Declarative)
- CI/CD Job Creation
- Integrating Git, Maven, Docker
- Jenkins Shared Libraries
- Jenkinsfile Creation

6. Containerization - Docker

- Docker Architecture
- Images, Containers, Registries
- Dockerfile & Image Creation
- Docker Compose
- Container Networking & Volumes

7. Container Orchestration - Kubernetes

- Kubernetes Architecture
- Pods, ReplicaSets, Deployments, Services
- ConfigMaps & Secrets
- Ingress Controller
- Helm Charts
- Monitoring (Lens / K9s)

8. Cloud Platforms (AWS / Azure / GCP)

AWS Essentials (most demanded)

- IAM
- EC2, S3, VPC Basics
- RDS, Load Balancers
- CloudWatch & CloudTrail
- Elastic Beanstalk / ECS / EKS Overview

9. Infrastructure as Code (IaC)

Terraform

- IaC Fundamentals
- Terraform Init, Plan, Apply Workflow
- Variables, Modules
- Providers (AWS, Azure, GCP)
- Remote Backends

Ansible (Configuration Management)

- Playbooks, Roles
- Inventory Files
- Automating Deployments

10. Monitoring & Logging

- Prometheus & Grafana
- ELK / EFK Stack
- CloudWatch Logs
- Application Monitoring Metrics

12. Docker + Kubernetes + Jenkins Integration

- Building CI/CD pipelines with Docker
- Automated deployment on Kubernetes
- Blue/Green & Rolling Deployments

Build Skills. Build Confidence. Become Industry-Ready