SECURE FLOW INFOTECH
Secure Solutions. Smart Flow. Seamless Future.

COMPLETE COURSE

DevOps Engineering

From Linux to Multi-Cloud — 15 Modules + Capstone Project

Hands-On • Project-Based • Industry-Ready • Beginner to Advanced

15 Modules • Multi-Cloud (AWS + Azure + GCP) • Real CI/CD Pipelines • Production-Grade Projects

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Complete Curriculum

15 modules + capstone — each module covered in full detail in its own dedicated class

SECURE FLOW INFOTECH
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1. Linux Admin
2. Networking
3. Git & GitHub
4. Python for DevOps
5. Jenkins CI/CD
6. Docker
7. Kubernetes
8. Terraform (IaC)
9. Ansible
10. AWS DevOps
11. Azure DevOps
12. GCP
13. Monitoring & Logging
14. Security (DevSecOps)
15. Multi-Cloud Projects

🎯 No topic rushed. Every module = 1 dedicated class. Theory + Hands-On + Real Projects.

M 1 & 2

Linux Administration & Networking Fundamentals

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The foundation every DevOps engineer builds on — covered in full in Classes 1 & 2

Module 1 — Linux Administration

- Linux Installation
- File System & Permissions
- Users & Groups
- Shell Scripting (Bash)
- Process Management
- Networking Commands
- Cron Jobs
- Package Management

Module 2 — Networking Fundamentals

- OSI & TCP/IP Models
- IP Addressing & Subnetting
- DNS & DHCP
- HTTP / HTTPS
- SSH & FTP/SFTP
- Load Balancers
- Firewalls
- VPN

Linux & Networking are the language of DevOps — every tool in this course runs on top of these two.

M 3 & 4

Git & GitHub & Python for DevOps

Version control + automation scripting — every DevOps workflow depends on both

Module 3 — Git & GitHub

- Git Installation
- Repository Creation
- Branching & Merging
- Rebasing
- Pull Requests
- GitHub Actions Basics
- Conflict Resolution
- Tagging & Releases

Module 4 — Python for DevOps

- Python Basics
- Functions
- OOP
- File Handling
- Working with APIs
- JSON Processing
- Automation Scripts
- Library Management

Git keeps your code safe and versioned. Python makes repetitive DevOps tasks disappear with automation.

M 5 & 6

Jenkins CI/CD & Docker

Automate your builds and containerize everything — the core of modern DevOps delivery

Module 5 — Jenkins (CI/CD)

- Jenkins Installation
- Pipelines
- Declarative Pipeline
- Shared Libraries
- Webhooks
- Integrating Git
- Email Notifications
- Blue-Green Deployments

Module 6 — Docker

- Docker Architecture
- Images & Containers
- Dockerfile
- Docker Compose
- Docker Volumes
- Docker Networking
- Docker Registry
- Multi-Stage Builds

Jenkins automates the delivery pipeline. Docker packages your app so it runs identically everywhere.

M 7 & 8

Kubernetes & Terraform (IaC)

Orchestrate containers at scale and provision entire cloud infrastructures as code

Module 7 — Kubernetes

- K8s Architecture
- Pods
- ReplicaSets
- Deployments
- Services
- ConfigMaps & Secrets
- Ingress
- Persistent Volumes
- Helm
- StatefulSets

Module 8 — Terraform (IaC)

- Terraform Installation
- Providers
- Variables & Outputs
- Modules
- Remote State
- Workspaces
- AWS Provisioning
- Azure Provisioning
- GCP Provisioning
- Terraform Cloud

Kubernetes runs your containers at scale. Terraform builds the cloud infrastructure they run on — all in code.

M 9 & 10

Ansible & AWS DevOps

Automate server configuration and master the world's leading cloud platform

Module 9 — Ansible

- Inventory
- Playbooks
- Roles
- Variables
- Templates
- Vault
- Dynamic Inventory
- Ansible Galaxy

Module 10 — AWS DevOps

- IAM
- EC2 & VPC
- S3 & RDS
- Auto Scaling & ELB
- CloudWatch & CloudTrail
- Route 53
- EKS & ECS
- CodeCommit
- CodeBuild
- CodeDeploy
- CodePipeline
- Secrets Manager

Ansible configures servers at scale without agents. AWS is the #1 cloud platform — mastering it opens thousands of job doors.

M 11 & 12

Azure DevOps & Google Cloud Platform

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Complete your multi-cloud skillset — the three major platforms covered in depth

Module 11 — Azure DevOps

- Resource Groups
- Virtual Machines
- Storage Accounts
- VNets & NSG
- AKS
- ACR
- Azure DevOps Repos
- Azure Pipelines
- Azure Monitor
- Azure Key Vault

Module 12 — Google Cloud Platform (GCP)

- IAM
- Compute Engine
- Cloud Storage
- VPC
- GKE
- Cloud Build
- Cloud Run
- Artifact Registry
- Cloud Monitoring
- Cloud Logging

Multi-cloud is the industry standard. By Module 12, you'll be equally comfortable on AWS, Azure, and GCP.

M 13 & 14

Monitoring & Logging & Security (DevSecOps)

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Observe everything in production. Secure it before attackers find what you missed.

Module 13 — Monitoring & Logging

- Prometheus — metrics collection & alerting
- Grafana — visual dashboards for all metrics
- ELK Stack — centralized log management
- Loki — lightweight log aggregation
- Alertmanager — alert routing & management

Module 14 — Security (DevSecOps)

- SonarQube — code quality & security scanning
- Trivy — container & image vulnerability scanner
- OWASP — web application security standards
- SAST & DAST — static & dynamic testing
- HashiCorp Vault — secrets management
- Secrets Management — secure credentials at scale

You can't deliver what you can't observe. You can't ship what isn't secure. Modules 13 & 14 make you production-ready.

M 15 + 🏆

Multi-Cloud Projects & Final Capstone

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Put everything together — three clouds, one pipeline, production-grade delivery

Deploy on AWS EKS — *Full stack app on Elastic Kubernetes Service*

Deploy on Azure AKS — *Same app on Azure Kubernetes Service*

Deploy on GCP GKE — *Same app on Google Kubernetes Engine*

CI/CD with Jenkins — *Automated pipeline triggering all deployments*

IaC with Terraform — *All infra provisioned as code across 3 clouds*

Config with Ansible — *Server configuration management at scale*

🏆 **FINAL CAPSTONE PROJECT — Production-Ready DevOps Pipeline:**

GitHub - Jenkins - SonarQube - Docker - Terraform - K8s - Prometheus - Grafana - ELK

Career Opportunities in DevOps

Where this course takes you — every role is in high demand globally

DevOps Engineer

Design, build & maintain CI/CD pipelines & cloud infra

Cloud Engineer

Provision, scale & manage AWS, Azure & GCP environments

DevSecOps Engineer

Embed security into every stage of the delivery pipeline

SRE (Site Reliability)

Keep production systems reliable, observable & performant

Salary Snapshot

₹8–25 LPA	₹18–45 LPA	₹40–80 LPA	$90K–$160K
Fresher to 2 Years	2–5 Years Experience	5+ Years / Architect	Global / Remote Roles

🚀 **DevOps is the fastest-growing tech role globally — and this course is your complete launchpad.**

THE JOURNEY STARTS NOW

- Every concept explained simply — no unnecessary jargon
- Every module builds on the last — progressive, logical order
- Every tool gets a real hands-on session — not just slides
- Every project is production-grade — portfolio-ready work
- Every student leaves job-ready — that is the only goal

Linux → Git → Python → Jenkins → Docker → K8s → Terraform → Ansible → AWS → Azure → GCP → Monitor → Secure → Deploy

"Build it. Automate it. Scale it. Secure it. Monitor it.
That's DevOps. That's this course."