

DevOps Roadmap 2025

Your Complete Guide to Becoming a DevOps Engineer

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✔ Stage 1: Foundations (Beginner)

Get your basics right.

Learn Linux commands and shell scripting

Understand Version Control with Git & GitHub

Explore basic networking and HTTP/S

Learn about DevOps culture and SDLC

Tools to focus on:

Git, GitHub, VS Code, Bash

✔ Stage 2: Core DevOps Tools

Time to automate!



Master CI/CD pipelines (Jenkins, GitLab CI)

Learn Containerization (Docker)



Get started with Kubernetes

Use Infrastructure as Code (Terraform, Ansible)

Tools to learn:

Docker, Jenkins, Kubernetes, Terraform, Ansible

✔ Stage 3: Cloud & Monitoring

This is where DevOps gets powerful.



Learn Cloud Platforms: AWS, GCP, or Azure

Dive into monitoring & logging: Prometheus, Grafana, ELK stack

Understand DevSecOps and basic cloud security

Explore test automation (Selenium, JUnit)

Certifications to aim for:

- AWS Certified DevOps Engineer
- CKA/CKAD
- Microsoft Certified DevOps Engineer Expert

✔ Stage 4: Advanced Projects & Real Experience

Get hands-on.

Build a CI/CD pipeline for a web app

Automate deployments with Kubernetes + Helm

Set up complete monitoring dashboards

Secure your infrastructure with IAM and firewalls

Pro Tip:

Add these projects to GitHub and your resume!

DevOps Engineer Salary in 2025

Wondering if it pays well? Oh, it does.

India

₹8–15 LPA (freshers)
₹20–35 LPA (experienced)

US

\$100,000+ average base salary

Remote Roles

Start from ₹6 LPA and go global with upskilling

Source: Glassdoor, AmbitionBox, LinkedIn Job Insights

Who Should Follow This DevOps Roadmap?

This roadmap is perfect for:

- Students & freshers in CS, IT, or ECE
- Backend/frontend developers transitioning to DevOps
- Sysadmins and IT support engineers
- QA testers looking to shift into automation and CI/CD