25 Days Training Roadmap – Cloud Computing & DevOps

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Industry-oriented hands-on training program covering Linux, Git, CI/CD, Docker, AWS, Kubernetes, Terraform, Ansible with mini projects and one major end-to-end deployment project.

Week 1: Linux & DevOps Fundamentals (Days 1–5)

Day	Topic	Key Activities / Deliverables
1	DevOps Introduction	DevOps lifecycle, tools overview, final project briefing
2	DevOps Tools Overview	Lifecycle mapping with Git, Jenkins, Docker, K8s
3	Linux Basics	File system, permissions, basic commands
4	Linux Advanced	User, group, process management
5	Mini Project 1	Linux system health monitoring bash script

Week 2: Git & CI/CD (Days 6–10)

Day	Topic	Key Activities / Deliverables
6	Git Basics	Repository init, commits, version control
7	GitHub	Remote repo, README, collaboration
8	CI/CD Concepts	Pipeline stages, Jenkins workflow
9	Jenkins Setup	Installation, job creation
10	Mini Project 2	Automated CI pipeline using Jenkins

Week 3: Docker & AWS Cloud (Days 11–15)

Day	Topic	Key Activities / Deliverables
11	Docker Basics	Containers, images, Docker CLI
12	Docker Hands-On	Dockerfile, image build, container run
13	Docker Compose	Multi-container application
14	AWS Basics	EC2 launch, security groups
15	Mini Project 3	Docker application deployment on AWS

Week 4: Kubernetes & IaC (Days 16–20)

Day	Topic	Key Activities / Deliverables
16	Kubernetes Basics	Minikube, pods, kubectl
17	Kubernetes Deployment	Deployments, services
18	Kubernetes Advanced	ConfigMaps, Secrets, rolling updates
19	Terraform	Infrastructure provisioning on AWS
20	Ansible	Configuration management & automation

Week 5: Major Project & Industry Readiness (Days 21–25)

Day	Topic	Key Activities / Deliverables
21	Monitoring	Prometheus & Grafana concepts
22	Logging & Alerts	Centralized logging, alerting flow
23	Major Project Build	CI/CD: GitHub → Jenkins → Docker
24	Major Deployment	Terraform + Ansible + Kubernetes
25	Final Demo	Project demo, resume & interview mapping