

# DevOps Boot Camp Course

Course Duration: 90 Days (Mon-Saturday)



## Transform Your Career with Our Comprehensive DevOps Training

Are you a fresh IT graduate or a real-time professional looking to make a career shift into the booming **DevOps** industry? Look no further. Our **DevOps Boot Camp** is designed to provide you with all the skills you need, starting from the basics of networking all the way to advanced concepts like Kubernetes, Docker, and much more.

### Course Highlights:

#### Comprehensive Curriculum:

- Basics of Networking
- Linux Fundamentals
- Isabel Mercado
- Version Control (Git)
- Containerization with Docker
- Container Orchestration with Kubernetes
- Automation with Ansible, Terraform
- Cloud Infrastructure (AWS)
- Monitoring & Logging
- DevOps Best Practices

**From Basics to Advanced:** Start with the fundamentals of networking and progressively move into advanced DevOps concepts, including automation, containerization, CI/CD pipelines, Kubernetes, Docker, and more.

**Project-Based Learning:** Our course includes real-world projects to ensure that you not only learn the theory but also apply your knowledge in practical scenarios. By the end of the course, you will have a portfolio of completed projects to showcase your skills to potential employers.

**Interview-Ready:** We guarantee that you will be interview-ready by the end of the boot camp. Our training is designed to ensure that you can crack interviews with confidence, backed by hands-on experience and a solid understanding of key DevOps tools and practices.

**Placement Assistance:** We believe in your success. Upon completion, we provide full placement support to help you land your dream job in the DevOps domain. Our industry connections and dedicated placement team will guide you through the job application and interview processes.

“ Every day is a new adventure. Be curious, be brave, and never stop learning! ”

# Why Choose Our DevOps Boot Camp?



Expert Trainers



Practical Experience



Career Transformation



Placement Assistance

## DEVOPS BOOTCAMP

*12-Week Training Plan with Placement Assistance*

### Week 1: Introduction to DevOps & Networking Fundamentals

- Introduction to DevOps: Concepts, practices, and lifecycle
- Importance of DevOps in the modern tech world
- Networking basics: OSI model, TCP/IP, subnets, protocols, and IP-addressing
- Introduction to Linux commands and terminal
- Basic shell scripting and file handling

### Week 2: Linux Administration

- Deep dive into Linux commands and shell scripting
- File systems, permissions & users, and storage management
- Package management (YUM, APT)
- Process management and services

### Week 3: Automation with Bash Shell Scripting

- Introduction to Linux shell and Bash scripting fundamentals
- Working with variables, conditionals, loops, and functions in Bash
- File and directory operations using shell scripts
- Automating repetitive system administration tasks
- User input handling and basic error handling in scripts
- Debugging and optimizing Bash scripts

## Week 4: Cloud Platforms (AWS Solutions Architect)

- Introduction to cloud platforms: AWS, Azure, and Google Cloud
- Cloud resources management (EC2, S3, database services, Lambda, etc.)
- Cloud computing concepts (IaaS, PaaS, SaaS)
- Setting up cloud environments and integrating with DevOps workflows

## Week 5: Version Control with Git

- Introduction to Git and version control concepts
- Git commands (commit, push, pull, branch, merge, etc.)
- Git workflows and GitHub
- Managing repositories and collaboration using Git

## Week 6: Automation with Ansible

- Introduction to Configuration Management and Infrastructure as Code (IaC)
- Core Ansible concepts: Playbooks, Inventory, Modules, and Roles
- Writing and executing Ansible playbooks
- Idempotency and error handling in Ansible
- Ansible Best Practices for maintainable automation

## Week 7: CI/CD Pipeline Concepts with Jenkins & Ansible

- Introduction to CI/CD and its importance
- Introduction to Configuration Management System and Ansible
- Integrating Git and ansible with Jenkins
- Setting up Jenkins for CI and CD with Ansible
- Automation of builds and deployments using Jenkins

## Week 8: Introduction to Docker

- Introduction to containerization concepts
- Docker fundamentals: Containers vs Virtual Machines
- Docker installation and setup
- Introduction to Docker registry Docker Hub and Elastic Container Registry.
- Creating, managing, and distributing Docker images

## Week 9: Kubernetes Container Orchestration

- Introduction to Kubernetes and container orchestration concepts
- Understanding Kubernetes architecture: Master and Worker nodes
- Core components: Pods, Deployments, Services, ReplicaSets
- Managing applications using kubectl CLI
- Secrets, persistent volumes, scaling, self-healing capabilities
- Helm charts for Kubernetes deployment

## Week 10: Infrastructure as Code (IaC)


- Introduction to IaC tools (Terraform, Ansible)
- Managing infrastructure with code
- Automating cloud infrastructure provisioning using Terraform
- Configuration management with Ansible

## Week 11: Monitoring and Logging

- Importance of monitoring and logging in DevOps
- Introduction to AWS CloudWatch and Cloud Trail
- Log aggregation and analysis with cloud Watch and Cloud Trail

## Week 12: Final Project and Interview Preparation

- Final project: Implement a complete DevOps pipeline with Docker, Kubernetes, Jenkins, and Cloud services
- Interview preparation: Mock technical and HR interviews
- Resume building and job application strategies



Every procedure  
has a purpose: to  
help us learn better!

# BOOTCAMP ROADMAP

## COUNSELLING

The first step to join Innovative Academy's DevOps BootCamp course is to attend a free counseling session with one of our expert career advisors.

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## ADMISSION

Once you're aligned, complete the admission form and pay the fee to join your preferred batch. Get access to LMS, lab tools, and dedicated placement support.

2

## NETWORKING

### projects :

- Network Topology Design
- Router & Switch Configuration
- Firewall & Access Control

3

## LINUX

### projects :

- User & Permission Management
- Shell Scripting Automation
- Apache Web Server Setup

4

## AWS

### projects :

- EC2 Web Hosting Project
- S3 Bucket with Static Website Hosting
- VPC with Public and Private Subnets

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## DEVOPS

### projects :

- CI/CD Pipeline with Jenkins
- Docker Containerization
- Kubernetes Deployment

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## PROJECTS

- AWS Infrastructure Setup
- Monitoring & Logging Stack
- Ansible Automation Project
- GitOps with Helm and ArgoCD

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## PLACEMENT

After completing the DevOps BootCamp, get 100% placement support with resume building, mock interviews, job referrals, and certification guidance to help you confidently land your first DevOps role.

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# INTERVIEW MAP

## 1. COURSE COMPETITION

After completing the DevOps BootCamp, get 100% placement support with resume building, mock interviews and job referrals.

## 2. HR SCREENING CALL

- Basic profile check
- Salary expectations, notice period
- Communication skills evaluation

## 3. TECHNICAL ROUND

- Core concepts: Linux, Git, AWS, CI/CD
- Real-time project questions
- Scenario-based problem solving

## 4. PRACTICAL TASK

- Hands-on task (e.g., Jenkins pipeline, Dockerfile, EC2 setup)
- Script writing (Bash, Python)
- Infrastructure troubleshooting

## 5. MANAGERIAL/PANEL ROUND

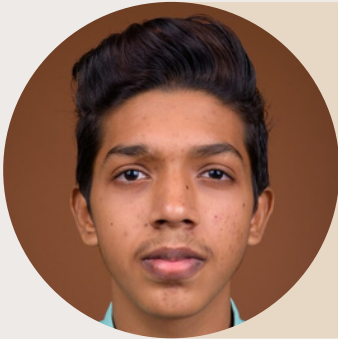
- Project discussion
- Team fit, work approach

## 6. HR FINAL ROUND

- Salary negotiation
- Joining date confirmation
- Culture and policy discussion



# Testimonials



"Great DevOps training at Innovative Academy! Clear concepts, hands-on labs, and supportive trainers. Helped me build real-time skills and boosted my confidence. Highly recommended for beginners and job seekers!"

**- Darshan S**

"Excellent DevOps course! Trainers explained each concept clearly with real-time examples. Hands-on practice made learning easier. A great place to start your DevOps journey!"

**- Bhavana G**



"Innovative Academy's DevOps training is top-notch! Practical sessions, expert trainers, and job-oriented content. Helped me upskill and prepare for interviews confidently!"

**- Avinash**