

# DevOps Roadmap

## **1. Learn Git**

- Base Commands
- Pull Requests
- Branching
- Merging

## **2. Learn Any Programming Language**

- Python
- JavaScript

## **3. Learn Linux**

- Shell Commands
- File System
- Networking
- Virtualization

## **4. Learn Networking and Security**

- DNS
- HTTP
- SSH
- Security tools

## **5. Learn Server Management**

- Caching Server
- Firewall
- Web Server

## **6. Learn Containers**

- Running Containers
- Docker Files
- Networking
- Docker Compose

## **7. Learn Container Orchestration**

- Components
- CLI
- Administer
- Deployment

## **8. Learn Infrastructure as a code**

- Configuration Management
- Infrastructure provisioning

## **9. Learn CI/CD**

- Setup Server
- Integration
- Pipeline tools

## **10. Learn Monitoring and Observability**

- Infrastructure Monitoring
- Application Monitoring
- logs Management

## **11. Learn Cloud Providers**

- Amazon Web Services (AWS)
- Microsoft Azure
- IBM Cloud
- Google Cloud Platform (GCP)

## **12. Learn Software Engineering Practices**

- Scrum
- Backlog Management
- Built-in Quality
- Communication
- Troubleshooting