

Onkar Lad

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PROFILE SUMMARY

Aspiring DevOps Engineer with hands-on experience in designing, deploying, and automating cloud infrastructure on AWS. Skilled in building and managing CI/CD pipelines using Jenkins, GitHub Actions, and proficient in containerization (Docker, Kubernetes), IaC (Terraform, Ansible), and monitoring solutions (CloudWatch, Grafana). Focused on contributing to secure and reliable infrastructure while continuously enhancing skills in cloud-native technologies and automation.

EDUCATION

VDF College of Engineering

Latur, Maharashtra

B.Tech Computer Science & Engineering

2021-2025

Ramkrishna Paramhansa Mahavidyalaya

Dharashiv, Maharashtra

HSC

2019-2021

SKILLS

Cloud Platform: AWS (EC2, RDS, IAM, VPC, S3, EBS, Lambda, Load Balancer, ASG, CloudWatch, SNS, Route53, CloudFormation, DynamoDB, AWS CLI)

Tools & Technologies: Docker, Terraform, Jenkins, Kubernetes, Ansible, Git, VS Code, GitHub, GitLab

DevOps Concept: CI/CD Pipelines, Infrastructure as Code, Containerization, Monitoring, Cloud Security

OS: Linux, Ubuntu

Programming & Scripting Language: Python, Bash/Shell Scripting

PROJECTS

CI/CD Pipeline for Java Application | *Jenkins, Maven, AWS, GitHub*

- Implemented automated build and deployment using **Maven** for application packaging and a **Jenkins CI/CD pipeline** for continuous integration and delivery.
- Launched **AWS EC2** instances to host the application and integrated **GitHub** for version control and collaboration.
- Established networking and security groups to ensure accessibility and reliability of the application.
- Improved deployment efficiency by reducing release time by **70%**, while also enhancing scalability and availability.

Python App deployment | *Jenkins, AWS, GitHub*

- Deployed a Python application on **AWS EC2** and streamlined build and deployment pipelines.
- Designed and configured CI/CD pipelines with **Jenkins** and **GitHub Webhooks** to automate build, test, and deployment stages.
- Established an application testing and deployment process that decreased manual release effort by **70%**, ensuring faster delivery.
- Managed AWS EC2 instances with appropriate networking and security groups, producing high availability and reliable performance.

Three-tier AWS Project deployment | *AWS*

- Deployed a secure three-tier architecture on **AWS**, which separates the Proxy (**NGINX**), Application (**Tomcat**), and Database (**RDS**) layers for improved maintainability and flexibility.
- Created a **VPC** with both **public** and **private subnets**, enabled direct internet access, and increased security by **99%**.
- Implemented an **IGW** and **NAT Gateway** for secure internet access, reducing the risk of unauthorized access by **40%**.
- Optimized application performance and availability by using AWS best practices, achieving **99.9%** uptime during testing.

CERTIFICATION & COURSES

- Master's in Cloud Architecture | AWS & DevOps