

Rahul Lambe

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Professional Summary

DevOps Engineer with 2.10 years of hands-on experience in building and maintaining CI/CD pipelines, container orchestration with Kubernetes and cloud infrastructure automation using Terraform and Ansible. Strong background in monitoring (Grafana, Prometheus), security testing (OWASP ZAP), and artifact management (JFrog). Adept at improving development workflows and ensuring system reliability in fast-paced Agile environments.

Work Experience

TATA ELXSI

Oct 2022 - Present

Senior Engineer (DevOps)

Pune, Maharashtra

- Worked extensively with **Jenkins CI/CD pipeline implementation**, **GitLab CI/CD** release management and infrastructure automation.
- Deployed containerized applications to **Elastic Kubernetes Service (EKS)** and **Elastic Container Registry (ECR)**, optimizing performance and scalability.
- Implemented **Kubernetes Network Policies** to enforce traffic control and enhance security between pods and services.
- Integrated **Istio** for service mesh capabilities including observability, traffic control, and fault injection.
- Worked with various network protocols (**HTTP, HTTPS, TCP, DNS**) in the context of Kubernetes networking, service exposure, and troubleshooting connectivity issues.
- Performed dynamic application security testing (DAST) using **OWASP ZAP** to identify and remediate vulnerabilities in applications
- Ensured proper backup strategies are implemented across environments.
- Utilized **Sonarqube for Static code analysis**, Improved code quality by 20% and identified 100+ security vulnerabilities across multiple projects.
- Configured and administered enterprise artifact repositories JFrog Artifactory to automate package versioning.
- Writing **Docker files** for Docker images to be used for application deployment.
- Configured, managed and monitored cloud-based services such as **AWS EC2, S3, VPC, Subnets, Route Table, EBS, ALB, Route53 using Terraform**, Utilized Terraform workspaces to manage multiple environments (development, staging, production) efficiently, ensuring isolated and consistent infrastructure across environments.
- Participated in disaster recovery exercises in order to test the reliability of the system.
- Utilized **Jfrog Artifactory** for binary repository management, optimizing storage and version control of artifacts.
- Implemented monitoring solutions using **Grafana, Cloudwatch and Prometheus**.

Project

TATA MOTORS SDV | AWS, Azure DevOps, Jenkins, Ansible, Terraform, Kubernetes, Grafana, Docker, GitLab

- **Cloud-Native Deployment of Microservices with Istio and Helm:** Designed and implemented scalable microservice architecture using Kubernetes and Helm on EKS. Integrated Istio service mesh to enhance observability and resilience, with traffic routing and canary deployments.
- **CI/CD Automation for Multi-Language Applications:** Built a CI/CD system using Azure Pipelines for Java and Python services. Integrated SonarQube for code quality checks and JFrog Artifactory for artifact management.
- **Terraform-Based Infrastructure as Code (IaC):** Created reusable Terraform modules to provision cloud infrastructure across multiple environments (dev, staging, prod), improving consistency and reducing manual errors.
- **Cloud Monitoring and Logging Stack:** Set up an end-to-end monitoring solution using Prometheus, Grafana, and InfluxDB. Created custom dashboards and alerts for application and infrastructure metrics.

Technical Skills

Technologies: EKS, ECR, AWS IAM, EC2, VPC, ALB, S3, Route53, Docker, Kubernetes, Jenkins CI/CD, GitLab CI/CD, Grafana

Build Tools: Maven, CMake, Make and Conan

Scripting: Python, Shell and Groovy

Infrastructure Management : Terraform

Configuration Management : Ansible

Source Code Management : Git, Gerrit, GitHub, GitLab

Programming Languages : Python and Java

Artifactory Management : JFrog

Project Management Tools : JIRA and Agile Methodology

Education

KLS Gogte Institute of Techonology

Bachelor of Engineering in Electronics and Communication

September 2022

Belagavi, Karnataka

Certifications

Cambridge Linguaskill Business English Test

Udemy Certified DevOps Beginners to Advanced

LinkedIn Certified Docker Compose and Kubernetes