

Pritee Chaugule

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Profile Summary

DevOps Engineer with 3+ years of experience in cloud infrastructure, CI/CD automation, and containerized deployments. Hands-on with AWS, Terraform, Docker, Kubernetes, Jenkins, and Ansible to build scalable, secure, and reliable systems. Experienced in monitoring, incident response, and automation across production environments, with a strong background in database platforms and infrastructure troubleshooting, focused on reliability and operational excellence.

Technical Skills

Cloud: AWS (EC2, S3, IAM, Lambda, VPC)

IaC & Automation: Terraform, Ansible

CI/CD: Jenkins, Git

Containers and Orchestration: Docker, Kubernetes

Monitoring: Grafana, Prometheus, CloudWatch

Databases: Oracle, MySQL

Programming/Scripting: Python, SQL, Shell scripting

Operating Systems: Linux

Experience

Amdocs July 2022 – Jan 2023
Pune, Maharashtra

DevOps engineer

- Designed and implemented end-to-end CI/CD pipelines in Jenkins for multiple microservices, reducing deployment time by 50%.
- Automated Docker image building and deployment, using multi-stage builds to reduce image size by 60% and ensure faster container spin-up.
- Created Grafana dashboards and integrated Prometheus/CloudWatch metrics for database and infrastructure monitoring, improving visibility across 5+ production systems and enabling data-driven decision-making.
- Designed and implemented Jenkins Shared Libraries to standardize pipeline steps across multiple projects, enabling code reuse and reducing duplication.
- Developed parameterized Jenkins jobs for multi-environment deployments, improving release reliability and consistency.
- Integrated Terraform workflows for AWS resource provisioning in hands-on lab and project environments.
- Applied container security best practices with Trivy scans in CI/CD pipelines.

Database Administrator Jan. 2023 – Present

- Automated patching for 20+ AWS EC2 servers using Ansible playbooks, improving patch compliance by 90% and reducing manual maintenance effort by 70%
- Automated critical DB and infrastructure workflows using Shell, applying IaC-like principles to support multi-app production environments and improving efficiency by 30%.
- Led cross-team incident management and RCA processes, improving MTTR by 25%.
- Monitored and managed high-availability production infrastructure, lowering escalations by 25% and improving system reliability.
- Developed a Jenkins-based automated DB deployment pipeline that automatically staged changes from every code commit and applied the DDL updates across 10+ stage environments, cutting manual upgrade effort by 70%.
- Built a Flask-based production monitoring and optimization tool with REST APIs for real-time observability and AI-assisted SQL performance tuning.
- Integrated automated sanity checks and report generation, improving release accuracy by 40% and enabling fully hands-off, consistent environment upgrades.
- Managed 100+ Oracle user accounts with role-based access controls, ensuring database security, compliance, and audit readiness.

Projects and Certifications

Infrastructure-as-Code Driven VPC and EC2 Deployment with Secure Routing | AWS, VPC, Subnets, NAT Gateway, Terraform

- Designed and implemented a multi-tier VPC architecture with public/private subnets, NAT Gateway, and secure routing to ensure network isolation and security.
- Automated provisioning of EC2 instances, databases, and networking components using Terraform, enforcing least-privilege access and repeatable infrastructure setup.
- Integrated the Terraform deployment with a CI/CD pipeline (GitHub → Jenkins → AWS), enabling fully automated infrastructure provisioning and reducing manual setup time.
- Implemented monitoring and alerting hooks in the CI/CD pipeline to validate infrastructure changes and ensure deployment reliability.

Personal Finance Tracker – Dockerized 3-Tier Web Application | Docker, Nginx, Flask, MySQL, Redis, Prometheus, Grafana

- Built REST APIs with Flask and integrated MySQL & Redis in a containerized 3-tier architecture.
- Reduced Docker image size by 60% using multi-stage builds and applied container security best practices with Trivy.
- Automated deployments via CI/CD pipeline (GitHub → Jenkins → EC2), cutting release time by 60%.

Hackathon Project – End-to-End CI/CD & Container Security | Docker, Jenkins, Trivy, Nginx, Git

- Deployed a full-stack app in 3 days with multi-stage Dockerfiles (60% smaller images) and Trivy vulnerability scans.
- Designed a Jenkins pipeline for automated CI/CD, reducing deployment time by 50% and ensuring reliable delivery.
- Received mentor recognition for delivering a complete deployed solution.

Kubernetes-Based Deployment of Containerized Web Application | Kubernetes, Docker, Jenkins

- Deployed a containerized Flask application on Kubernetes using Deployments and Services, enabling scalable and resilient application delivery.
- Configured ConfigMaps and Secrets to manage application configuration and sensitive data securely.
- Implemented resource requests and limits, replica scaling, and validated pod self-healing through failure scenarios.
- Performed hands-on troubleshooting using kubectl logs, describe, and exec to debug pod and service issues.

Certifications |

- Docker - Hands on - DevOps
- Kubernetes for beginner
- AWS Certified Solutions Architect – Associate (In Progress)

Education

- Bachelor of Engineering in Computer science – Sinhgad Academy of Engineering – 2022
- Diploma in Computer Engineering – Cusrow Wadia Institute of technology – 2019