Vaishnavi Dhawalekar

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▤ zerotoroot.hashnode.dev/   🌐 automatewithvaish.vercel.app/

Professional Summary

DevOps Engineer with Internship experience in CI/CD automation, AWS infrastructure management, and containerized application deployments. Experienced in Jenkins, Docker, Kubernetes, and DevSecOps practices, with exposure to cloud monitoring, security scanning, and scalable system design.

Experience

Cravita Technologies pvt ltd   **June 2025 - present**

DevOps Intern   *Pune, Maharashtra*

- Developed and maintained CI/CD pipelines using Jenkins to automate building, testing, and deploying applications, significantly reducing manual deployment time for the team.
- Created Python and shell scripts to automate environment setup, log aggregation, and application health checks, ensuring consistent and reliable daily operations.
- Integrated code quality and security tools such as SonarQube and Trivy into the pipeline, generating automated reports to enforce DevSecOps best practices.
- Configured Prometheus and Grafana dashboards to monitor application and system performance, providing actionable insights and faster detection of potential issues.

Projects

Netflix Clone Deployment with DevSecOps

AWS, Docker, Kubernetes, Jenkins, SonarQube, Trivy, Prometheus, Grafana, ArgoCD, Helm

- Deployed a Netflix-clone web application on AWS EC2 using Docker, managing containerization and API integration.
- Built CI/CD pipelines with Jenkins to automate code checkout, dependency installation, Docker image build/push, and deployment.
- Integrated SonarQube, Trivy, and OWASP Dependency-Check for code quality and security vulnerability scanning.
- Implemented Prometheus and Grafana dashboards to monitor application and infrastructure health in real time.
- Deployed on Kubernetes using ArgoCD, enabling scalable, GitOps-based application deployment with cluster monitoring.

AWS 3-Tier Architecture Deployment

AWS EC2, VPC, RDS (MySQL), ALB/NLB, Auto Scaling, CloudWatch, SNS, PHP, Nginx

- Designed and deployed a fully scalable and highly available AWS 3-Tier architecture using a bottom-up methodology, ensuring stable network, database, application, and web layers.
- Configured VPC, subnets (public/private), route tables, and security groups to establish secure networking foundations and controlled access for all tiers.
- Provisioned RDS (MySQL) database, created schema/tables, and automated application deployment on EC2 instances with AMIs and Auto Scaling Groups.
- Implemented internal and internet-facing load balancers for efficient traffic distribution, monitoring application health, and scaling with CloudWatch metrics and SNS alerts.
- Followed DevOps best practices: private app and DB tiers, least-privilege security groups, multi-AZ RDS, and automated scaling, ensuring high availability and operational efficiency.

Technical Skills

Languages: Python, Shell Scripting, SQL
Cloud Platforms: AWS (EC2, RDS, VPC, ALB/NLB, CloudWatch, SNS, SQS, cloudformation, Lambda, S3, IAM, etc),
CI/CD & DevOps Tools: Jenkins, ArgoCD, Docker, Kubernetes, Ansible, Terraform, Git, GitHub, Bitbucket
Build & Automation Tools: Maven, NPM
Security & Code Quality: SonarQube, Trivy
Web & App Servers: Tomcat, Nginx, Apache
Operating Systems: Linux (Ubuntu, Amazon Linux)

Certifications

AWS Certified Cloud Practitioner, AWS, 2025

Master of Cloud Architecture (AWS - DevOps), FortuneCloud Technologies, 2025

Education

Usha Mittal Institute of Technology, SNDT University   **Santacruz, Mumbai**

Bachelor of Computer Science and Technology