

VIREN LAHAMAGE

DevOps Engineer

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Pune, Maharashtra, India

Professional Summary

DevOps Engineer with 2+ years of experience in cloud infrastructure, CI/CD automation, Infrastructure as Code, and containerized environments. Experienced in managing AWS infrastructure and automating application deployments and infrastructure provisioning using modern DevOps practices. Skilled in Kubernetes and operational automation, with a focus on improving deployment efficiency and reducing manual intervention. Proven ability to build and support secure, scalable, and reliable cloud environments through automation, security, disaster recovery, and cloud optimization.

Technical Skills

- **Cloud Platforms:** Amazon Web Services (AWS), Azure
- **Infrastructure as Code:** Terraform
- **Containerization & Orchestration:** Docker, Kubernetes, Helm, Argo CD
- **Configuration Management:** Ansible, Chef
- **Scripting & Programming:** Python, Bash, Shell Scripting, YAML, Groovy
- **Monitoring:** Amazon CloudWatch, Prometheus, Grafana
- **Databases & Data Technologies:** MySQL, Redis, ClickHouse
- **CI/CD & Version Control:** Jenkins, Git, GitHub

Experience

Aurochs Software

Sept 2024 – Present

DevOps Associate

Pune, Maharashtra

- Designed and managed CI/CD pipelines using Jenkins, reducing deployment errors by 30% and deployment time by 40%.
- Developed Python-based automation scripts, reducing manual operational tasks by 25% and improving operational efficiency.
- Managed end-to-end database migration activities, ensuring data integrity, minimal downtime, and successful post-migration validation.
- Executed Business Continuity Planning and Disaster Recovery (BCP/DR) activities for multiple clients, ensuring system availability, failover readiness, and backup validation.
- Implemented FRPC for secure remote access to virtual machines without exposing public endpoints.
- Coordinated end-to-end Vulnerability Assessment and Penetration Testing (VAPT) activities, tracking and resolving security vulnerabilities to maintain application security and compliance.
- Reduced AWS cloud spend by 20% by implementing automated resource cleanup scripts, right-sizing EC2 instances, and leveraging Spot/Reserved instances.

Projects

Automated New Client Onboarding | Jenkins, Terraform, AWS, Docker, ECR, EC2, ALB, RDS

- Built a self-service onboarding platform using a parameterized Jenkins workflow to capture customer requirements and automate initial infrastructure and application setup.
- Automated customer-specific AWS infrastructure provisioning using modular Terraform, enabling consistent and repeatable environment configurations.
- Implemented Terraform remote state and locking for controlled infrastructure provisioning, and automated Docker image builds, Amazon ECR publishing, and EC2 deployment during customer onboarding.

Kubernetes Intelligent Auto-Remediation Platform | Kubernetes, Python, Prometheus, Alertmanager, Docker, Helm

- Built a Kubernetes-based auto-remediation platform to detect application failures using Prometheus metrics and alerting rules.
- Developed a Python-based remediation controller integrated with the Kubernetes API to automate recovery of unhealthy workloads.
- Implemented Alertmanager-based alert routing and Kubernetes RBAC to securely trigger automated remediation actions.

AWS IAM Key Rotation Automation | AWS Lambda, CloudWatch Events, Python (Boto3)

- Automated IAM key rotation, reducing manual effort and improving security compliance by 80%, with seamless integration across Jenkins, Airflow, and Unix servers, achieving 100% compliance with security policies.

Education

Nutan Maharashtra Institute of Engineering and Technology

Aug 2020 – Jun 2024

Bachelor of Computer Engineering – CGPA: 8.85/10

Pune, Maharashtra

Certifications

- Microsoft Certified: Azure Administrator Associate (AZ-104)
- Microsoft Certified: DevOps Engineer Expert (AZ-400)
- Introduction to Kubernetes (LFS158) – Linux Foundation
- Google Cloud Gen AI Academy