Ulhas Bhalerao

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SUMMARY

DevOps Engineer who designs and operates production infrastructure serving 50+ microservices. Shipped infrastructure automation reducing deployment cycles 78% (45 to 10 minutes) and cut infrastructure costs 33%. Expert in Terraform, Kubernetes, and observability-with proven track record enabling engineering teams through reliable, scalable platforms.

WORK EXPERIENCE

Jio Platforms Ltd. | *DevOps Engineer*   **Jan 2024 - Present**

- Provisioned and managed cloud infrastructure for various projects using Infrastructure as Code tools such as Terraform, leveraging automated CI/CD pipelines in GitLab with approvals.
- Reduced deployment time from ~45 minutes to ~10 minutes by automating configuration management and release workflows with Ansible, streamlining deployments in development, UAT, and production environments.
- Achieved a 33% reduction in AWS infrastructure costs by rightsizing EC2 instances, optimizing storage, and implementing automated resource lifecycle management.
- Implemented centralized ELK (Elasticsearch, Logstash, Kibana) logging infrastructure from scratch, streamlining distributed microservices troubleshooting and reducing root cause analysis time by 70%.
- Built and operated an enterprise observability platform with Grafana, Prometheus and Thanos, centralizing metrics from 50+ services and enabling rapid incident response.
- Designed and deployed GitLab with Google OAuth integration for CI/CD pipelines, enabling secure automated deployments across UAT, development and production environments with 99% success rate.
- Engineered automated vulnerability scanning within CI/CD workflows, configuring SNS-driven notifications to streamline reporting for successful builds and failed security checks.
- Orchestrated production Kubernetes clusters on EKS, deploying containerized workloads with optimized resource settings and achieving 99.9% uptime.
- Architected event-driven auto-scaling solution for AI transcription service using RabbitMQ based on messages, enabling dynamic scaling from 2 to 50 instances based on workload demand.
- Authored comprehensive technical documentation covering infrastructure architecture, deployment procedures, and troubleshooting runbooks, reducing onboarding and Debugging time by 50%
- Spearheaded performance testing program using JMeter and Locust, conducting load, stress, and volume tests in UAT/Production environments.
- Mentored DevOps engineers on Terraform, observability, and CI/CD, promoting team-wide automation and infrastructure-as-code adoption

EDUCATION

Savitribai Phule Pune University | *Bachelor of Engineering, Computer Science* (GPA: 3.53/4)   **Pune Jul 2023**

CERTIFICATIONS, SKILLS

- **Cloud :** Amazon Web Services, Microsoft Azure , Pursuing CKA
- **Containerization:** Docker, Kubernetes
- **CI/CD :** GitLab, Jenkins, GitHub Actions
- **Infrastructure as Code:** Terraform, CloudFormation, Ansible
- **Development:** ReactJs, Python, HTML, CSS, Bash, Git, Agile
- **Observability :** Prometheus, Grafana, Elastic Search, Logstash, Kibana
- **Performance Testing :** JMeter, Locust
- **Certificates:** AWS Certified Solutions Architect – Associate

ACHIEVEMENTS

- Awarded with Spotlight of the year at Jio