

ARPITHA S

Software Quality Engineer

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PROFILE

DevOps focused Software Quality Engineer with expertise in cloud infrastructure and DevOps tools, committed to enhancing software quality through rigorous quality assurance practices. Proven ability to collaborate with Agile development teams to deliver high-quality software products. Skilled in managing CI/CD pipelines and leveraging public cloud platforms, along with technologies such as GitHub, Docker, Kubernetes, Jenkins, and Ansible to optimize system operations. Seeking a DevOps Engineer role to further apply and grow cloud-native infrastructure and automation expertise.

PROFESSIONAL EXPERIENCE

Infosys Ltd.

Software Quality Engineer

May 2021 – present
Bangalore, India

- Experienced in using Docker to containerize applications for consistent and efficient deployment.
- Created Dockerfiles to build lightweight, production-ready container images for various applications and microservices.
- Configured Kubernetes objects such as Pods, Deployments, and Services, and integrated health checks to maintain application availability and stability during deployments.
- Used shell scripting to make deployments faster and reduce manual work.
- Proficient in using GitHub for version control with hands-on experience managing and working with Linux-based systems for development and deployment tasks.
- Integrated Jenkins with GitHub repositories to enable automated triggers on pull requests, reducing manual release effort by 40%.
- Wrote Ansible playbooks and roles to automate provisioning, patching, and configuration of Linux servers across development and production environments.
- Have exposure to Jenkins for setting up and managing CI/CD pipelines.
- Experienced in monitoring and observability using Prometheus and Grafana for infrastructure and application performance.
- Utilized AWS services such as EC2, CloudWatch, Load Balancers, Auto Scaling, S3, SNS and IAM to build secure, scalable environments.
- Worked on designing secure and scalable cloud setups by configuring VPCs with public and private subnets.
- Used Confluence and JIRA to document pipelines, deployment processes, and track infrastructure-related issues and tasks.
- Worked on integrating Selenium Grid with Docker to efficiently execute parallel test cases across multiple browser instances and environments, enhancing test speed and scalability.
- Designed and implemented test automation frameworks using Selenium, TestNG, and Maven, reducing regression testing time by 40%.

- Designed and configured Auto Scaling groups to dynamically adjust EC2 capacity based on CPU utilization and custom CloudWatch metrics, reducing downtime and optimizing costs.
- Integrated Auto Scaling with ELB to maintain consistent performance and handle traffic spikes during seasonal user activity.
- Wrote and maintained smoke, sanity, and regression suites, increasing early defect detection and improving deployment confidence.
- Documented detailed test cases, execution plans, and test scenarios using JIRA and Confluence; maintained traceability to requirements and ensured full coverage.

SKILLS

Version Control System - Git, GitHub

Scripting Languages - Shell, YAML, Java

AWS Cloud - EC2, S3, Auto scaling, Load balancer, Cloud watch, IAM, VPC, Route 53

CICD tools - Jenkins, Ansible

Containerization - Docker

Orchestration - Kubernetes

Monitoring & Alerting - Prometheus, Grafana

Automation Frameworks - Selenium, UiPath, JUnit, Maven

EDUCATION

Bangalore University

B.Sc. in Economics, Math and Statistics

Dec 2020

Bangalore, India

CERTIFICATES

- AWS Certified Cloud Practitioner