DevOps Engineer
Gowtham C

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Cgowtham7721@gmail.com

PROFESSIONAL SUMMARY

IT professional experience with 4+years of experience in infrastructure design, development, and maintenance, implementing DevOps practices, and automating software delivery pipelines. Strong skills in, Git, GitHub, Linux, Docker, Kubernetes, SonarQube, AWS, Terraform, Ansible, Jenkins CI/CD tools and GitLab CI/CD
Proven ability to work in fast-paced environments and deliver high-quality solutions that meet business requirements.

CORE COMPETENCIES

- CI/CD Automation: **Jenkins, GitLab Actions**
- Cloud Platforms: **AWS (Amazon Web Services)**
- IaC: **Terraform, Ansible**
- Scripting: **Python Basic, PowerShell, Groovy**
- Source Control: **Git, GitLab**
- Artifact Repository Management: **Jfrog Artifactory**
- Containerization: **Docker, Kubernetes**
- Service Mesh: **Istio**
- Monitoring: **Grafana, Prometheus**
- Databases: **Oracle, PostgreSQL**
- Security: **SonarQube**
- Shell Scripting: **Linux, Windows**
- Collaboration: **Jira**

Current Company Profile

Infosys.

EXPERTISE

- Built robust **CI/CD pipelines** using Jenkins and **GitLab Actions**, automating code integration, testing, and deployment processes.
- Designed, deployed, and managed secure and scalable **AWS cloud infrastructure** using IaC practices with Terraform.
- Integrated security scans, vulnerability assessments, and compliance checks into CI/CD pipelines, ensuring secure software delivery.
- Implemented **Docker for containerization** and **Kubernetes for orchestration**, enhancing application deployment and scalability.
- Proficient in implementing and managing **service mesh architecture** using **Istio**, facilitating seamless communication, traffic management, and security policies enforcement across microservices deployments.
- Developed automated security testing processes, including static code analysis and DAST, integrated into CI/CD pipelines.
- Experience in **AWS services like EC2, VPC, S3, EBS, ELB, Cloud watch, RDS, ECR, EKS and IAM Services.**
- Excellent proficiency in Build, Release, and DevOps Processes & Microservices Architecture
- Experience in and demonstrated understanding of source control management concepts such as branching, merging, labelling, and integration with the CICD (Jenkins) pipeline
- Troubleshooting and resolving the application unavailability issues and providing RCA

- Managing & distributing the workload among the team members. Actively interacting with teammates and helping them out with any issues.
- Documented daily meetings, build reports, release notes, and many other day-to-day documentation and status reports.

Project: FINAX

(14-April-2022 To till the present)
Roles & Responsibilities

- Proficiently containerized applications using **Docker** and **Kubernetes,** ensuringseamless deployment and scalability.
- Designed, deployed, and maintained highly available systems on Kubernetes, optimizingperformance and reliability
- Experienced in setting up and configuring CI/CD pipelines using **GitLab CI/CD**, automating the build, test, and deployment processes for continuous integration and delivery.
- Responsible for administrating and maintaining the DevOps tools Jenkins, Gitlab, SonarQube.
- Implemented and improved the Jenkins shared library scripts for lean Jenkins file and re-usable code to apply for all the microservices (front end and backend stream)
- Maintain the documentation of best practices over CI/CD practice and coach the dev team on the new implementation.
- Proficient in **utilizing JFrog Artifactory** as an artifact repository manager, ensuring efficient storage, versioning, and distribution of build artifacts across the development lifecycle.
- Handling the docker-base image upgrades and maintaining them over the docker registry.
- Worked closely with **QA Teams, Project Teams, and Product Operations teams** to identifyQA and UATcycles release schedule to non-prod and prod environments.
- Configured SonarQube in Jenkins that measure and analyses quality of source code (JAVA) Configured Email Notifications in Jenkins after every successful and failed build.

previous Company Profile

Sunny Opotech India PVT LTD

Project: Cox

(26-Dec-2019 To 9-April-2022)
Roles & Responsibilities:

- Providing access to faceless accounts to work on enterprise GitHub Responsible to provide admin services to version control tool Git, GitHub Enabling access to users as collaborators to the GitHub repository.
- Responsible for Provisioning project-specific access, assigning roles, and creating projects for the Team for users.

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- Administrator for Jenkins. Prepare and own the builds and troubleshoot build failures.
- Managing all the Operational Projects Implementing new projects builds framework using Jenkins &Maven as build framework tools.
- Self-motivated and I can easily adapt to new technologies and tools.
- Experience in Docker image management like building images, storing, and maintaining on Docker private registry.

Worked closely with development teams to improve the software development lifecycle. Reduced deployment time by 50% through process automation.

- File Systems and Process management and monitoring of system resources, logs, disk usage, scheduling and monitoring backups and restore, start/stop/kill various processes.

Certifications:

External Certification: -

- **AWS Certified cloud practitioner**
- **Oracle Cloud Infrastructure 2023 Certified Foundations Associate certification!**
- **AWS Educate Getting Started with Storage**
- **AWS Educate Getting Started with Compute**
- **AWS Educate Getting Started with Networking**

Internal Certification: -

- **AWS Certified Solution Architecture Associate**
- **Selenium -Infosys Certified**
- **Infosys certified AWS Cloud Infrastructure**

Education

Annamacharya Institute of Technology and science
Electrical and Electronic Engineering 2019 - Tirupati, Andhra Pradesh