+91 8766941007
aniruddhasurse88@gmail.com

Aniruddha Surse

linkedin.com/in/aniruddha
github.com/aniruddha

Work Experience

Software Engineer (DevOps)   **CGI**   **May 2021 to Apr 2024**
BELL Canada - Design Team   Pune, India

- Implemented a GitOps framework using **GitHub Actions CI** pipelines and cache docker base images on Git runner, resulting in reduced build times from **7** minutes to **1** minute on average.
- Utilized Helm as a templating engine to define kubernetes object manifests, and configure **ArgoCD** to establish declarative **GitOps-based CD**, reducing deployment time from 8 minutes to 1 minute.
- Led a team of **five** to successfully migrate existing Jenkins pipelines to Groovy Script pipelines, defining custom workflows that resulted in a **50%** faster reproducibility rate. .
- Leverage **GitHub Actions** and **CodeDeploy** to securely deploy Java SpringBoot application to Amazon EC2 instances behind **AWS Autoscaling Group**.
- Automating Infrastructure on AWS with **Terraform**, building, changing, and importing infrastructure.

DevOps Operations Team

- Built **10+** CI and CD freestyle pipelines using **Jenkins** and **Udeploy** to automate build and deploy process for JAVA and Node based containerized applications on **Kubernetes** cluster.
- Track application health metrics by use of monitoring and alerting dashboard using **Prometheus** and **Grafana.**
- Support production deployments which followed a **blue-green deployment** strategy to reduce downtime.
- Ingest CSV-formatted data via **Python** into Elasticsearch engine and create Kibana visualizations to analyze data.
- Integrated Jenkins with various **plugins** such as Slack, Confluence, SonarQube, Checkmarks, and IBM UCD.

Technologies and Languages

- Continuous Delivery and Continuous Integration   : Gitlab Actions, Argo CD, Jenkins, IBM UCD, and Jfrog
- Container Management and Orchestration   : Docker, OpenShift and Kubernetes
- Monitoring and Alerting   : Prometheus and Grafana.
- Programming Languages and Frameworks   : JavaScript(Nodejs & React), Python (Flask), Shell Scripting
- Cloud Platforms   : AWS, Red Hat OCP, and GCP (6x Skills Badge) [Link]
- Database   : PostgreSQL, OracleDB and Mongo

Education and Certifications

- **National Institute of Technology, Nagpur** (Bachelor of Technology), **CGPA: 8.02/10**   **2017–2021**

Project

- **Payments App:** (*Mongo, Express, React, Node)* [Link]   **Feb, 2024**

  A paytm like app where users can sign up, sign in, search other users on the app, send and receive money to other users. App uses **JWT** http-only cookies for user authentication. Database **"Transactions"** to support **ACID** properties.

Accomplishments

- **"Intrapreneurship and Sharing Award"**, May 2022 at CGI India for work which improved operations efficiency.