

Gajulapalli Charan Reddy

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PROFILE SUMMARY

A motivated and dedicated DevOps Engineer with a strong foundation in Linux, Jenkins, Ansible, Docker, Kubernetes, Terraform and AWS. As a fresher, aiming to contribute to cross-functional teams, automate infrastructure, and develop scalable solutions to enhance deployment efficiency and reliability. Passionate about CI/CD, cloud computing, and infrastructure as code, with a strong commitment to continuous learning and innovation in DevOps.

TECHNICAL SKILLS

- **Version Control:** Git, GitHub
- **CI/CD Tools:** Jenkins, GitHub Actions, Argo CD
- **Infrastructure as Code (IaC):** Terraform
- **Containerization & Orchestration:** Docker, Kubernetes
- **Configuration Management:** Ansible
- **Cloud:** AWS
- **Scripting:** Bash, Python
- **Operating Systems:** Linux

PROJECTS

Automated Deployment of Two-Tier Application (Flask & MySQL) on AWS EKS using Jenkins | [Link](#)

- Automated the complete deployment pipeline using **Jenkins** for seamless build, push, and deployment to the **EKS cluster**.
- Provisioned **AWS EKS** infrastructure using **Terraform**, following Infrastructure as Code (IaC) principles.
- Dockerized the Flask application and pushed the image to **AWS Elastic Container Registry (ECR)**.
- Deployed the application to a Kubernetes cluster, utilizing Kubernetes objects like Deployments, Services, PersistentVolumeClaims, and PersistentVolumes for scalability and persistence.
- The application was exposed to the internet via a Kubernetes **LoadBalancer** service.
- **Tools and Technologies used:** Jenkins, Docker, Kubernetes, Git, GitHub, AWS EKS, and AWS ECR.

CI/CD Pipeline Automation for Java Application on AWS EKS with GitHub Actions and Terraform | [Link](#)

- Implemented a CI/CD pipeline using **GitHub Actions** to automate the build, testing, and deployment process of a Java application on an **AWS EKS** cluster.
- Integrated multiple steps in the pipeline, such as compiling the application, performing security scans (**Trivy**), running **SonarQube** quality checks, and packaging the application into a deployable artifact.
- Automated the creation and pushing of Docker images to a Docker registry, updating Kubernetes deployment configurations with dynamic image tags.
- Achieved seamless automation of the deployment pipeline, integrating **GitHub Actions, Docker, and Kubernetes** to ensure smooth and continuous delivery of the application.
- **Tools and Technologies used:** GitHub Actions, Terraform, Docker, AWS EKS, Kubernetes, GitHub.

EDUCATION

Bachelor's Degree in Computer Science and Engineering	2020 - 2024
YSR Engineering College of Yogi Vemana University, Proddatur	
Intermediate	2018 - 2020
NRI Junior College, Tirupathi	
SSC	2017 - 2018
St. Antony's High School, Porumamilla	

LANGUAGES KNOWN:

- English
- Telugu
- Hindi