

V Yashwanth- Software Engineer

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PROFILE SUMMARY

Motivated Fresher DevOps Engineer with a solid foundation in tools like Git, Jenkins, Docker, Kubernetes, and Terraform. Eager to apply my knowledge in continuous integration, infrastructure as code, and automated deployment to enhance the efficiency and reliability of the development pipeline. Committed to leveraging my skills in automation, cloud computing and container orchestration to drive innovation and contribute to the team's success.

EDUCATION

Kuppam Engineering College, Kuppam- Jul 2019 - Aug 2023
Bachelor of Technology (B.Tech) in Electronics and Communication Engineering

TECHNICAL SKILLS:

- **Containerization:** Docker, Kubernetes, Helm
- **Cloud Platforms:** AWS, Azure
- **CI/CD Tools:** Jenkins, GitHub
- **Configuration Management:** Terraform, Ansible
- **Scripting Languages:** Python
- **Monitoring:** Prometheus, Grafana,
- **Security:** SonarQube, IAM, Load Balancer
- **Frontend Development:** Html, Css, JavaScript, ReactJS

PROJECTS:

Project 1: Automated, Scalable Netflix Clone Application Deployment with Kubernetes

- **Efficient Pipeline Development:** Designed and implemented a CI/CD pipeline utilizing Jenkins for continuous integration and Docker for application containerization.
- **Enhanced Security:** Integrated **SonarQube** and **Trivy**, reducing vulnerabilities.
- **Monitoring Optimization:** Deployed **Prometheus** and **Grafana** monitoring solutions to track application performance and resource usage.
- **Monitoring Optimization:** Leveraged **HELM** for enhanced issue identification, improving resolution speed.
- **Monitoring Optimization:** Utilized Argo CD for automated deployment.

Project 2: CI/CD Pipeline for MERN Application

- **CI/CD Pipeline Design:** Created a CI/CD pipeline using Jenkins to automate the deployment of a MERN stack web application, improving deployment speed and reliability.
- **Image Automation:** Configured automated processes for building, tagging, and pushing Docker images to Docker Hub for both frontend and backend services using Docker Compose. .
- **Kubernetes Deployment:** Deployed containerized services on Kubernetes, streamlining deployment cycles and significantly reducing manual intervention.

Project 3: Azure Infrastructure Deployment using Terraform

- **Infrastructure as Code:** Created and managed Azure resources, including resource groups, storage accounts, and CDN, leveraging Terraform for efficient infrastructure management.
- **Static Website Deployment:** Deployed a static website on Azure Storage, showcasing proficiency in serverless architecture and enabling cost-effective hosting.
- **Performance Optimization:** Configured Azure CDN to enhance performance and reduce latency for static content hosted in Azure Blob Storage, ensuring fast content delivery to users.
- **Automated Resource Provisioning:** Streamlined the provisioning process by defining infrastructure as code, enabling quick and repeatable deployments.

COURSES AND CERTIFICATIONS

- **Full Stack Development-ISM**
- **Docker, Kubernetes-KodeKloud**