CHARAN GUNNALA

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Professional Summary

DevOps Engineer with over 2.8 years of experience specializing in **CI/CD**, **AWS**, **Azure**, and **Kubernetes**. Proven ability to optimize infrastructure and automate deployment processes, enhancing application performance and reliability. Strong collaborator with a passion for continuous learning and leveraging new technologies to drive team success.

Education

Vaageswari College of Engineering   Jun. 2017 – Sep 2021
Bachelor of Technology   *Karimnagar,Telangana*

Experience

TATA CONSULTANCY SERVICES   **March 2022 – Present**
DevOps Engineer   *Hyderabad, Telangana*

- **Developed** and managed CI/CD pipelines, automating deployment processes with Jenkins and Argo CD, reducing deployment time by 40%.
- **Optimized** Kubernetes clusters (EKS and AKS) for over 50 applications, improving scalability and uptime to 99.9%.
- **Provisioned** AWS and Azure infrastructure using Terraform, streamlining resource management and reducing manual tasks by 50%. ,
- **Implemented monitoring solutions** using Prometheus and Grafana, leading to a 30% decrease in incident response time.
- **Automated infrastructure** code pull requests with Atlantis, enhancing collaboration and improving deployment accuracy.

Projects

USAA Project   **April 2022**

- Collaborated on the USAA project focusing on financial services and insurance applications.
- Managed various Kubernetes deployments, including Stateful Sets and Daemon Sets, ensuring optimal application performance and scalability.
- Deployed applications using Helm charts within AWS and Azure Kubernetes clusters, enabling streamlined management and versioning.

Monitoring Stack Implementation   **April 2022**

- Set up a comprehensive monitoring stack using **Prometheus** and **Grafana** for 24/7 monitoring and alerting of critical application metrics.
- Developed custom dashboards and alerts for CPU consumption, memory utilization, and pod scaling events to proactively address performance issues.

Technical Skills

Operating Systems: Windows, Ubuntu, Debian, Amazon Linux
Configuration Management: Chef, Ansible, SaltStack
Scripting Languages: Shell, Bash
Monitoring & Logging: Prometheus, Grafana, Alert Manager, Blackbox Exporter
Version Control: Git, GitHub, Bitbucket
CI/CD Tools: Jenkins, Argo CD
Containerization & Orchestration: Docker, Kubernetes (EKS, AKS), Helm
Infrastructure as Code (IaC): Terraform, Atlantis, K8s YAML manifests
Build & Repository Management: Maven, SonarQube, Nexus
Cloud Services: AWS (VPC, EC2, ELB, S3, R53, IAM, EKS, ECR), Azure (AKS, Virtual Networks, Blob Storage, IAM, Load Balancer)
Project Management Tools: JIRA

Certifications

- Microsoft Azure Developer Associate (AZ-204)