Bhanu Katuri

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Summary

DevOps/Site Reliability Engineer with 3 years of experience in automating and optimizing IT operations. Skilled in AWS, Azure, CI/CD & GitOps (Jenkins, ArgoCD), containerization (Docker, Kubernetes), Infrastructure as Code (Terraform), and monitoring tools (Prometheus, Grafana) to improve system efficiency and reliability. Seeking a role to leverage expertise in DevOps practices and cloud infrastructure to deliver high-availability, scalable, and secure solutions.

Experience

Associate DevOps Engineer   July 2023 - Present

Carelon Global Solutions(Product-Based)   *Hyderabad*

- Streamlined the **CI/CD** pipelines for a **Java-based** application using **Jenkins and Maven**, resulting in a **20% reduction** in build and deployment times.
- Implemented **Git** branching strategies and integrated webhooks to automate **CI/CD** processes, reducing integration issues across cross-functional teams.
- Optimized **AWS** infrastructure costs by 20–30% through right-sizing EC2 instances and optimizing **S3 storage** classes.
- Deployed and managed containerized applications on **Kubernetes** clusters, ensuring high availability and **scalability**.
- Automated **AWS** cloud infrastructure provisioning using **Terraform**, reducing manual errors and setup time by 60% across multiple environments.

DevOps Intern   Jan 2023 - Jun 2023

Carelon Global Solutions(Product-Based)

- Supported deployment of microservices in testing environments. Gained hands-on experience with **Linux**, Git, **Docker** and AWS.
- Assisted in building and maintaining CI/CD pipelines using **Jenkins** and Git.
- Monitored application performance with **Prometheus** and **Grafana** to minimize downtime.

Technical Skills

- **Cloud Technologies:** AWS (EC2, S3, IAM, Route53, VPC), Azure
- **CI/CD & GitOps:** Jenkins, ArgoCD, Git, Bitbucket, Maven, SonarQube, JFrog Artifactory
- **Infrastructure as Code:** Terraform, Ansible
- **Containerization & Orchestration:** Docker, Kubernetes
- **Programming & Scripting:** Python, Shell Scripting, Linux, YAML.
- **Monitoring Tools:** Prometheus, Grafana, Splunk

Projects

Three Tier Application Deployment on Kubernetes with CI/CD & Security

- Built and deployed a three-tier application on **AWS EKS** using CI/CD pipelines for automated deployments.
- Integrated **SonarQube** for code quality checks and **Trivy** for vulnerability scanning to ensure secure builds.
- Implemented automated deployments with **ArgoCD** and managed application packaging using Helm.
- Configured dashboards and alerts in **Prometheus** and **Grafana** to track CPU, memory, and disk usage for proactive monitoring.

Certifications & Awards

- Received **Impact** Award for optimizing CI/CD pipelines, which reduced build and deployment times.
- AWS Certified Cloud Practitioner and Azure Fundamentals (AZ-900).

Education

SRKR ENGINEERING COLLEGE   Aug 2019 – Apr 2023

Bachelor of Technology in Computer Science   *CGPA: 8.27/10*