**VENKATA SAI KRISHNA SANDRA**

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**CAREER OBJECTIVE:**

To obtain a DevOps Engineer position in a dynamic environment that supports career growth. Dedicated to utilising my skills in automation, continuous integration, and cloud infrastructure to contribute to the organisation's success and enhance my professional development.

**SKILLS:**

SCM Tools : Git,GitHub

Build Tool : Maven

CI/CD : Jenkins

Containerization : Docker, Kubernetes

Infra As Code : Terraform

Configuration Management : Ansible

Monitoring : Prometheus & Grafana

OS : Windows & Linux

Cloud : AWS

**PROFILE SUMMARY:**

* DevOps Engineer with 1.5 years of hands-on experience in automating, deploying, and managing applications using AWS Cloud and various DevOps tools. Adept at streamlining CI/CD pipelines and enhancing deployment processes through effective collaboration with development and operations teams.
* Expertise in scripting languages and configuration management tools to automate repetitive tasks.
* Proficient in conducting system audits and implementing security best practices.
* Solid foundation in Linux (Ubuntu and RedHat) operating systems.
* Experienced in using Terraform for Infrastructure as Code (IaC).
* Skilled in automating infrastructure deployment using Jenkins pipelines.
* Hands-on experience with Docker, including container management and orchestration.
* Knowledgeable in Docker Swarm and Stack for containerized environments.
* Competent in using Ansible for configuration management.
* Familiar with web servers such as Apache2 and Nginx, and databases like RDS.
* Experience in orchestrating Kubernetes clusters for high availability and scalability.
* Configured Kubernetes resources like Pods, Deployments, Services, and Ingress.
* Implemented best practices in Kubernetes for rolling updates, auto-scaling, and load balancing.
* Collaborated on containerizing applications and deploying them in Kubernetes clusters.
* Proficient in monitoring and visualisation using Prometheus and Grafana.
* Configured Prometheus for comprehensive metric scraping from various sources.
* Utilized Argo CD for automated, GitOps-based continuous delivery.
* Hands-on experience with AWS services including IAM, VPC, EC2, S3, EBS, ELB, ASGs, and Elastic Beanstalk.
* Designed and deployed Terraform modules for consistent and scalable infrastructure.
* Effective in troubleshooting and optimizing Terraform configurations for cost-effectiveness and security.
* Managed Terraform state files on S3 for consistency and reliability.

**Professional Experience: (2022-Present)**

**PROJECTS:**

Project : Pathward

Client : Pathward

Role : DevOps Engineer

Environment : AWS Cloud, Git, Maven, Jenkins, Docker, Kubernetes, Apache Tomcat & Terraform

**ROLES & RESPONSIBILITIES:**

* Implemented and maintained CI/CD pipelines using Jenkins for automated code compilation, testing, and deployment, optimizing efficiency and facilitating seamless integration and delivery of code changes.
* Managed Jenkins jobs to ensure end-to-end integration and delivery of code, supporting continuous deployment processes.
* Developed Dockerfiles to create custom images and optimized image size usingmulti-stage Dockerfiles, followed by pushing images to Docker Hub.
* Conducted image scanning using Trivy to ensure security compliance.
* Orchestrated Kubernetes clusters to deploy and manage containerized applications, ensuring high availability, scalability, and efficient resource utilization.
* Configured Kubernetes resources including Pods, Deployments, Services, Ingress, PV & PVC, adhering to best practices for container orchestration.
* Established Namespaces to isolate application services and environments effectively.
* Troubleshot and resolved Kubernetes-related issues, minimizing downtime and maintaining application reliability.
* Implemented monitoring solutions with Prometheus and Grafana, tracking system performance and visualizing metrics for informed decision-making.
* Collaborated with cross-functional teams to streamline release cycles, improve deployment processes, and ensure operational efficiency throughout the software development lifecycle.
* Provided technical guidance and support to team members, fostering a culture of continuous learning and innovation.
* Deployed and managed AWS cloud infrastructure using Terraform, leveraging services such as EC2, S3, VPC, Elastic Load Balancer, and Autoscaling groups based on business requirements.
* Automated infrastructure provisioning with Terraform, ensuring consistent, repeatable, and scalable deployments across multiple environments.
* Enhanced operational efficiency and reduced human error by automating repetitive tasks and manual interventions using scripting languages and configuration management tools.

**EDUCATION:**

B.Tech (Electronics and Communication Engineering) 2018-2022

-Sreenivasa Institute of Technology and Management Studies

**STRENGTHS:**

* Team Player
* Adaptability
* Quick learner

**PERSONAL DETAILS:**

Name : Venkata Sai Krishna Sandra

Date of Birth : 18-02-2000

Gender : Male

Languages : English, Telugu, Hindi

Marital Status : Single

**DECLARATION:**

I hereby declare that the above information is true to the best of my knowledge and belief and request to give me an opportunity to serve in your esteemed organisation.

Sai Krishna S V

Dharmavaram