VENKATESH VAKAMUDULA

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OBJECTIVE

Motivated and detail-oriented DevOps enthusiast with a passion for automating workflows, optimizing CI/CD pipelines, and managing secure, scalable infrastructure. Seeking an opportunity to contribute to innovative projects and drive operational excellence through reliable and efficient cloud-native solutions.

TECHNICAL SKILLS

Cloud Platforms	: Amazon Web Services
Operating Systems	: Linux (Ubuntu, CentOS)
Networking	: TCP/IP, DNS, Subnetting
Scripting	: Python
Infrastructure as Code	: Terraform
Configuration Management	: Ansible
Version Control	: Git, GitHub
Containerization	: Docker
Container Orchestration	: Kubernetes (Amazon EKS)
CI/CD Tools	: Jenkins, GitHub Actions

PROJECTS

AWS Cloud Resume Challenge | BLOG — (Code)

- Deployed a cloud-native resume website on **AWS S3**, served globally via **CloudFront** with SSL.
- Built a serverless backend using **Lambda (Python)**, **API** and **DynamoDB** for visitor tracking.
- Automated infrastructure provisioning using **Terraform** and set up **CI/CD** with **GitHub Actions**.
- Integrated a custom domain via GoDaddy with secure DNS and HTTPS; implemented least-privilege **IAM roles**.

Portfolio Automation | BLOG — (Code)

- Built and deployed a containerized full-stack portfolio site using **React** and **Node.js**.
- Used **Docker** and **GitHub Actions** for **CI/CD**, and **Terraform** for **AWS EC2** provisioning.
- Configured an **NGINX** reverse proxy with HTTPS via Let's Encrypt for secure access.

End-to-End DevOps Automation for AI Chatbot on AWS | BLOG — (Code)

- Deployed a scalable AI chatbot application using **Python**, **AWS EKS**, and **Terraform**.
- Built **CI/CD pipelines** with **Jenkins** to automate containerized deployments using **Docker**.
- Automated server provisioning and environment setup with **Ansible** to ensure consistent and reliable deployments.

CERTIFICATIONS

HashiCorp Certified Terraform Associate | CERTIFICATE   **July 2023**

- Demonstrated expertise in infrastructure as code, Terraform workflows, modules, state management, and cloud integrations.

AWS Certified Cloud Practitioner | CERTIFICATE   **August 2023**

- Gained foundational knowledge of AWS Cloud concepts, security, architecture, pricing, and support.

EDUCATION

Bharath University, Chennai

B.Tech - Electronics and Communication Engineering