

Vegi Lokesh

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PROFESSIONAL SUMMARY

Software engineer and AWS Certified Solutions Architect with 1.4 years of experience in system development. Passionate about transitioning into DevOps to leverage expertise in Build Automation, CI/CD pipelines, and Infrastructure as Code. Proven track record in optimizing application performance and ensuring system reliability.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, EKS, S3, ECR, Route 53, Lambda, VPC, IAM)

Containerization: Docker, Kubernetes, Helm

CI/CD Tools: GitHub Actions, ArgoCD, Jenkins, AWS CodePipeline

Infrastructure as Code: Terraform, Ansible

Operating Systems: Linux (Ubuntu), Windows

Monitoring: Prometheus, Grafana, CloudWatch, Alertmanager

Scripting & Programming: Python, Bash, C++, SQL

EXPERIENCE

• Jytra Technology Solutions Pvt. Ltd

June 2024 - Sept 2025

Software Engineer (C++ / System Development)

- Managed the full Software Development Life Cycle (SDLC) for core ActCAD modules, ensuring high performance and system stability.
- Optimized build and release processes for complex C++ applications, reducing compilation time and improving deployment efficiency.
- Implemented version control best practices using Git, managing branching strategies and resolving merge conflicts to maintain code integrity.
- Collaborated with cross-functional teams to identify and patch production bugs, focusing on root cause analysis and reliability engineering.
- Enhanced application memory management and computational efficiency, aligning with Site Reliability Engineering (SRE) principles for performance optimization.

PERSONAL DEVOPS PROJECTS

• Generative AI Platform & SRE Observability Implementation

- Designed and deployed a self-hosted Generative AI platform on Kubernetes using Ollama (Phi-3) and Open WebUI, enabling secure internal model inference.
- Engineered a custom observability stack using Helm, Prometheus, and Grafana to visualize high-latency inference (83s) and track real-time CPU saturation.
- Solved critical memory resource crashes (OOMKill) by implementing "Right-Sizing" capacity planning and enforcing strict resource limits on constrained hardware.
- Optimized model deployment workflows using custom Init Containers and Persistent Volumes to manage large model assets (1.6GB) without bloating Docker images.
- **Technologies:** Kubernetes, Helm, Prometheus, Grafana, Ollama, Docker, Linux.

• E-Commerce DevOps Implementation

- Orchestrated a complete DevOps workflow for a multi-service e-commerce application, implementing containerization with Docker and orchestration with Kubernetes (EKS).
- Provisioned a secure and scalable EKS cluster within a custom VPC using modular Terraform code (Infrastructure as Code).
- Established a GitOps workflow using ArgoCD for seamless, single-touch deployment automation from code commit to production.
- Configured AWS Route 53 for DNS management and exposed services securely via Load Balancers.
- **Technologies:** AWS EKS, Terraform, GitHub Actions, ArgoCD, Docker, Route 53.

EDUCATION

• Bachelor of Technology in Computer Science and Engineering

2020 - 2024

Maharaj Vijayaram Gajapathi Raj College of Engineering, Vizianagram

CGPA: 8.09

CERTIFICATIONS / ACHIEVEMENTS

• AWS Certified Solutions Architect – Associate (SAA-C03) Issued Nov 2025

• Solved 500+ problems on LeetCode (Data Structures & Algorithms)