

VIJAYARANGAN C

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CAREER OBJECTIVE

To obtain a challenging and growth-oriented DevOps Engineer position where I can leverage my experience in cloud platforms, CI/CD pipelines, infrastructure automation, and container orchestration to drive operational excellence, accelerate software delivery, and contribute to building resilient, scalable systems in a dynamic and innovative environment.

EXPERIENCE

Cloud Platform Engineer

E2E Networks Ltd, Chennai
May 2024 – Present

- Designed, deployed, and managed scalable cloud infrastructure on **AWS**, ensuring high availability and performance.
- Implemented **CI/CD pipelines** using **Jenkins** and **GitOps (Argo CD)**, reducing deployment time and improving release efficiency.
- Built and maintained **containerized applications** using **Docker** and orchestrated with **Kubernetes**, increasing deployment scalability and consistency.
- Automated **infrastructure provisioning** and **configuration management** using **Terraform** and **Ansible**, reducing manual intervention and errors.
- Set up centralized **monitoring and logging** solutions with **Prometheus**, **Grafana**, and the **ELK Stack** to ensure operational visibility and system health.
- Enforced **cloud security best practices**, including IAM, VPC configurations, and encryption to maintain compliance and protect critical assets.
- Diagnosed and resolved infrastructure, deployment, and performance issues, ensuring minimal **downtime** and seamless **service continuity**.

TECHNICAL SKILLS

Operating Systems: Linux, Windows | **Cloud:** AWS | **Source Code Management:** Git, GitHub | **Scripting:** Bash | **Web Servers:** Nginx, Apache | **Build Tools:** Maven | **Programming:** Python | **IaC:** Terraform | **Configuration Management:** Ansible | **CI/CD:** Jenkins | **Containerization & Orchestration:** Docker, Kubernetes | **Monitoring:** Prometheus, Grafana | **Code Quality:** SonarQube

EDUCATION QUALIFICATIONS

ANNAMALAI UNIVERSITY B.E Computer Science <i>GPA: 8.38</i>	Chidambaram JUNE 2019 - MAY 2023
Mount Park Higher Secondary School, Thiyadurgam <i>HSC (Higher Secondary Certificate)</i>	JUNE 2017 – MAY 2019

PROJET

Deployment of a 3-Tier Web Application Using Docker and Kubernetes

Tools Used: Git, GitHub, Docker, Kubernetes, NGINX, Prometheus, Grafana, AWS RDS, MySQL

- Designed and deployed a 3-tier architecture consisting of **web UI**, **backend application**, and **MySQL database**.
- Containerized all components using **Docker** and pushed images to **Docker Hub**.
- Deployed the application to a **Kubernetes cluster** with structured manifests (**Deployment**, **Service**, **Ingress**).

- Configured **NGINX Ingress Controller** to handle HTTP/HTTPS traffic and domain routing with SSL.
- Integrated **AWS RDS (MySQL)** for the database layer and managed credentials securely using **Kubernetes Secrets**.
- Implemented **Prometheus** for monitoring Kubernetes nodes and application metrics.
- Built custom **Grafana dashboards** to visualize real-time resource utilization and performance.
- Used **readiness/liveness probes**, proper resource limits, and auto-scaling for high availability and fault tolerance.