



K. Sam Ashray

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SUMMARY OF QUALIFICATIONS

- Expert in DevOps automation, CI/CD, and container orchestration.
- Skilled in infrastructure provisioning, configuration, and real-time monitoring.
- Strong foundation in Python scripting and Spring Boot framework for efficient backend development and automation.

EDUCATION

Indian Institute of Information Technology, Tiruchirapalli **2018-2022**
Bachelor of Technology, Computer Science and Engineering
GPA: 7.8/10

Relevant Coursework

Software Engineering, Database Management, DSA, Networks, Machine Learning and Data Science

PROFESSIONAL EXPERIENCE

Optum Global Solutions **2022-2024**

Assoc Software Engineer II

- Managed **CI/CD** Pipelines & Deployments with **Jenkins**.
- Container Orchestration with **Kubernetes**.
- Automation of various DevOps duties using **Python & Springboot**, reducing *human error and increasing application uptime. (implemented app release and restart, server swings..)*
- Managed **Kafka** and **Spring Boot ETLs** with **CitusDB** as the data warehouse.
- Realtime Monitoring with **Splunk**, **Grafana** and Production Support with ServiceNow.

PERSONAL PROJECTS

Hands-on DevOps Learning **Ongoing**

- This project serves as a hands-on exploration of modern DevOps tools and best practices, focusing on creating an *efficient, scalable, and secure infrastructure*. The repository will evolve as I gain experience and implement new tools and techniques.
- Gained hands-on experience with **Terraform**, **Vault**, and **Ansible** for infrastructure automation and management; planning to integrate **Jenkins** and **Kubernetes** for comprehensive end-to-end DevOps expertise.

Portfolio Site **Ongoing**

- A portfolio site built with **React** and a **Spring Boot** backend, designed to showcase my backend dev skills. It features **JWT authentication** for secure access, **secret management** for sensitive data, and functionality to display and store blog posts. Additionally, it serves as a personal repository for storing and managing Bible verses.

SKILLS & CERTIFICATIONS

- **DevOps Tools:** Github, Jenkins, Kubernetes, Terraform, Ansible, Vault, Kafka, Splunk, Grafana
- **Langs & Frameworks:** Python, Java & Springboot, MERN stack
- **Databases:** MySQL, MongoDB
- **OS:** Windows, Linux

AWS Cloud Practitioner*