

THEJANA RAVINDU

DevOps Engineer

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SUMMARY

Motivated IT professional with 1 year of experience in DevOps and Software Development. Proficient in Linux administration, cloud computing (AWS) and containerization using Docker & Kubernetes. Experienced in automation, continuous integration/deployment (CI/CD) pipelines, and scripting. Currently preparing for the AWS Certified Cloud Practitioner (CLF-C02) certification to deepen the expertise in cloud solutions.

EDUCATION

BSc(Hons) Computer Science - Upper Second Class Honours

2020 - 2024

Informatics Institute of Technology (IIT) - Affiliated with University of Westminster (UK)

Key Coursework - OOP, Operating Systems, Machine Learning, Cyber Security

PROFESSIONAL EXPERIENCE

FinTech DevOps Intern, Dialog Axiata PLC

Nov 2022 – Nov 2023

- Monitored logs in production systems using AWS CloudWatch, troubleshooting issues to ensure system reliability, performance and post production support.
- Integrated detailed transaction logging into the Genie application within the SDLC, allowing for the identification and resolution of 85% of previously unknown transaction errors.
- Collaborated with senior engineers to create a Grafana dashboard, by adding new columns to the database, providing real-time insights into system metrics and performance.
- Designed and developed a front end using React to send push notifications to Genie customers, enhancing user engagement and communication.
- Contributed to modify the backend using Spring Boot, implementing new features and optimizing performance for the Genie app.

PROJECTS

End-to-End CI/CD Pipeline for a Java Application (In Progress)

Implementing an automated CI/CD pipeline for a Java-based application, aligned with DevOps best practices for secure, scalable cloud deployments.

- Automated builds and tests using Jenkins, Maven, and GitHub webhooks.
- Integrated SonarQube for static code analysis and quality checks.
- Dockerized the application and deployed to the Kubernetes via Argo CD.
- Applied GitOps for version-controlled, repeatable deployments.
- Provisioned the AWS EC2 instance for the deployment.
- **Tech stack:** Jenkins, Docker, SonarQube, GitHub, Helm, Argo CD, Kubernetes (Minikube), AWS EC2

Containerized MERN Stack Application with Docker & Docker Compose

- Built and containerized a MERN app with separate frontend/backend images, MongoDB volume, and custom Docker network, orchestrated via Docker Compose.

AWS Resource Manager

- Implemented a Bash script for listing AWS resources across regions using AWS CLI, useful for quick audits and DevOps inventory checks.

SKILLS

DevOps Skills: Agile, CI/CD, Jenkins, GitHub, Docker, Kubernetes, Terraform, Ansible, AWS

Scripting Proficiencies: Bash, Python, Linux/Unix

Programming Competencies: Python, Java, Springboot, Javascript