THEJANA RAVINDU

DevOps Engineer

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SUMMARY

DevOps Engineer with 1 year hands-on experience in designing CI/CD pipelines, managing AWS infrastructure, and deploying containerized applications using Docker and Kubernetes. Integrated detailed transaction logging into a production system, enabling the identification and resolution of 85% of previously undetected errors during the SDLC. 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 Engineer (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
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

MERN Stack Application Deployment with Kubernetes
Deployed a full-stack MERN application on a Kubernetes cluster using Minikube to simulate production grade container orchestration and service exposure workflows.

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, Argo CD, Terraform, Ansible, AWS
Programming and Scripting Proficiencies: Bash, Python, Java, Springboot, Javascript