MOHAMED HUSNI

SOFTWARE ENGINEER | DEVOPS ENTHUSIAST

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About Me

Motivated Software Engineer with a strong foundation in full-stack development and a growing specialization in DevOps practices. Experienced in building scalable web applications, fine-tuning AI models, and deploying systems on cloud platforms. Skilled in bridging the gap between software development and infrastructure automation—capable of delivering projects from design to deployment. Seeking a Software Engineer Internship to apply technical expertise, collaborate with teams, and contribute to real-world solutions.

Skills

- Programming Languages: Java, JavaScript, HTML, PHP, Python and shell programing.
- Frameworks & Libraries: PyTorch Vue, React, Tailwind CSS, Fabric.js
- VERSION CONTROL: GIT, GITHUB
- Database: MongoDB, Completed **Mode SQL** from basic to advance.
- Cloud: Amazon Web Services
- Complete understanding in Docker, Jenkins, selenium, Ansible, puppet, Terraform, Kubernetes and Linux (Ubuntu)
- currently **studying** Nagios
- Problem Solving: Strong analytical skills and ability to debug complex issues

languages

English (Fluent)

Sinhala (Fluent)

Tamil (Fluent)

Education

BSc (Hons) Computer Science at APIIT   2025

Pearson Btech Higher National Diploma in computing specialized in Software engineering at APIIT   2021 - 2024

Projects

AWS CI/CD Pipeline for Java Web Application Deployment

- Designed and implemented a CI/CD pipeline on AWS for a Java Maven web application.
- Used GitHub for version control, CodeArtifact for package management, and automated builds with CodeBuild.
- Provisioned infrastructure using CloudFormation, deployed with CodeDeploy on EC2 (Ubuntu), and streamlined the workflow with CodePipeline.

SmartAdMaker – AI-based Advertisement Generator

- Built a full-stack AI-powered web application for generating advertisement posters by Fine-tuning Stable Diffusion with LoRA using custom datasets.
- Developed frontend with React + Tailwind and backend with Node.js + Firebase.
- Deployed frontend on Vercel and backend on Google Cloud Run, enabling cloud-hosted AI inference and image storage.
- Live App: https://smart-ad-maker.vercel.app/

MongoDB application

- Designed and implemented a MongoDB database to manage employees, products, and distributions.
- Developed a full-stack CRUD application using Node.js and React for operational efficiency.

Alfie pet shop

- Initially developed a pet shop web app using Vue.js, Tailwind CSS, and Axios for API integration.
- Later adapted to full-featured e-commerce website using WordPress, including shopping cart, product pages, and user login.

Power BI Dashboard – Global Bicycle Spare Parts Distribution

- Created interactive dashboards using Power BI to visualize and analyze sales and distribution data for a large-scale bicycle spare parts distributor.

Reference

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