Akila Buwaneka | Full-Stack Software Engineer

Galle – Sri Lanka

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○ akilabuwaneka • 🌐 Portfolio

Professional Summary

Full-stack developer with 2+ years building scalable web applications using microservices, AI solutions, and cloud technologies. Delivered 6+ production-ready projects with React, Spring Boot, and AWS/GCP. Solved 70+ LeetCode problems demonstrating strong DSA proficiency.

Technical Skills

Frontend: React, TypeScript, Next.js, Tailwind CSS, Flutter, JavaScript

Backend: Spring Boot, Node.js, FastAPI, Go, Python, Java, PHP

Database: PostgreSQL, MongoDB, MySQL, Redis

Cloud/DevOps: AWS (S3, Lambda, Cognito, CloudWatch), GCP, Docker, Kubernetes, Terraform

Core: Data Structures & Algorithms, Microservices Architecture, RESTful APIs, System Design

Professional Experience

Cloud Eight Technologies

Software Engineer Intern   *Nov 2024–Present*

○ Integrated AWS CloudWatch RUM for real-time performance monitoring and debugging
○ Built responsive features using React, TypeScript, Tailwind CSS, and Flutter
○ Automated infrastructure provisioning with Terraform across AWS and GCP environments
○ Contributed to Go-based cleanup service and Quarkus backend development

Key Projects

React, Spring Boot, PostgreSQL, AWS, GCP

Venture Vibe   *2024*

○ Built collaborative travel platform with role-based access control (admin, planner, guide)
○ Implemented RESTful APIs for real-time chat, budget tracking, and event management features
○ Leveraged AWS S3 for storage, Lambda for serverless functions, and Cognito for authentication

React, Single SPA, Spring Boot, Node.js, MongoDB

FreshLand   *2024*

○ Architected food delivery platform using microservices with independent service deployment
○ Implemented micro-frontend architecture with Single SPA for modular UI development
○ Applied Backend-for-Frontend (BFF) pattern to optimize API communication per client type

FastAPI, Python, MongoDB, OpenCV

Find Optimal Path   *2024*

○ Developed indoor navigation system with OpenCV for floor plan image processing
○ Built interactive grid-based UI for obstacle marking and multi-waypoint route calculation
○ Implemented pathfinding algorithms for warehouse and logistics optimization scenarios

Education

University of Colombo School of Computing

BSc Computer Science, GPA: 3.00   *2022–2025*

Certifications & Achievements

Level 3 - External Project Summit 2024 • Intro to AI - Great Learning