

# Insaf Ahmedh

Software Engineer · Java Spring Boot · Full-Stack · React · Angular

■ Colombo, Sri Lanka | 📞 +94 76 902 5444 | ✉ insaf.ahmedh@gmail.com | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

## PROFESSIONAL SUMMARY

Software Engineer with hands-on experience designing, developing, and testing full-stack web applications using **Java Spring Boot** and **React / Angular**. Proven ability to deliver clean, well-documented, and well-tested code across backend services and frontend interfaces. Experienced in **code reviews**, root cause analysis, and improving existing systems. Strong foundation in **object-oriented design**, **SOLID principles**, and **Agile** practices with a collaborative team mindset.

## CORE TECHNICAL SKILLS

<b>Languages</b>	Java (Primary), JavaScript (ES6+), TypeScript, Python, SQL, HTML, CSS
<b>Backend</b>	Java Spring Boot, Spring Security, Spring Data JPA, Node.js, Express.js, REST APIs, Microservices
<b>Frontend</b>	React.js, Angular 21, Next.js, Angular Material, Redux, Context API, React Hooks, Axios, SCSS
<b>Databases</b>	PostgreSQL, MySQL, MongoDB
<b>DevOps &amp; Cloud</b>	Docker, GitHub Actions, Jenkins, AWS EC2/S3, Linux, Nginx
<b>Practices</b>	SOLID Principles, Clean Code, Agile/Scrum, Code Reviews, Unit Testing, TDD, Git

## PROFESSIONAL EXPERIENCE

### Freelance Full-Stack Developer | Self-Employed

Jan 2026 – Present

- Designing and developing a **production-grade e-commerce platform** for a retail client (ghanimenterprises.lk) using **Angular 21** and **Spring Boot 3** with PostgreSQL.
- Managing the full project lifecycle independently — architecture decisions, feature development, testing, and deployment — applying clean code and SOLID principles throughout.
- Integrating AI-powered search using Hugging Face embeddings and pgvector with a Google Gemini API chatbot for product assistance.

### Software Engineer | Aasa IT Solutions

May 2025 – Dec 2025

- Developed and maintained backend services using **Java Spring Boot**, delivering **RESTful APIs** with structured error handling, input validation, and versioning.
- Worked on a **MOSIP-based Passport Application System** — integrated backend services for biometric identity workflows and government-grade API orchestration.
- Integrated **Inji Certify** to issue and validate Verifiable Credentials for passport issuance using OpenID4VCI standards.
- Designed and optimised **PostgreSQL**, MongoDB, and MySQL schemas; containerised services with **Docker** and deployed on AWS EC2 and DigitalOcean.
- Participated actively in **code reviews**, performed root cause analysis on production issues, and contributed to Agile sprint planning and retrospectives.

### Software Engineering Trainee | Aasa IT Solutions

Dec 2024 – May 2025

- Built backend features using **Java Spring Boot** and Python Flask, integrating **REST APIs** end-to-end with React frontends.
- Contributed to a pilot project for a **government sand mining licence issuance system**, supporting backend development and workflow automation.
- Implemented **JWT**-based authentication and **OAuth2** provider integration; enforced API security best practices.
- Configured CI/CD pipelines using Jenkins and GitHub Actions; managed deployments on Linux servers and AWS.

## TECHNICAL PROJECTS

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### Ghanim Enterprises — E-Commerce Platform

[Live Demo](#) | [Frontend](#) | [Backend](#)

- Built a full-stack e-commerce platform for a real retail client using **Angular 21** and **Spring Boot 3** with PostgreSQL, featuring role-based access for retail, wholesale, and admin users.
- Implemented JWT authentication, dynamic price switching by user role, and AI-powered product search using Hugging Face and pgvector.
- **Tech:** Angular 21, Spring Boot 3, PostgreSQL, JWT, Docker, Hugging Face, Gemini API

### Job Tracker — Full-Stack App with AI Advisor

[Live Demo](#) | [GitHub](#)

- Built a full-stack job application tracker using **Spring Boot 3**, Spring Security, and Spring Data JPA with **JWT authentication**, Kanban board, and an AI Resume Advisor powered by Google Gemini API.
- **Tech:** Java, Spring Boot 3, React 18, PostgreSQL, Google Gemini API, JWT, Docker, Railway, Vercel

### EmpowerPro — Employee Management System

[Frontend](#) | [Backend](#)

- Collaborated with a cross-functional team to deliver HR management, recruitment automation, and financial reporting using **Spring Boot microservices** and React.
- **Tech:** Java Spring Boot, PostgreSQL, OAuth2, Microservices, React.js

### AI Resume Screening System

[GitHub](#)

- Built a resume-job matching system using **Java Spring Boot** with RESTful APIs for resume processing, scoring logic, and semantic similarity analysis.
- **Tech:** Java, Spring Boot, PostgreSQL, REST APIs, Docker, React

## EDUCATION

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### BSc in Computer Science — University of Colombo School of Computing

GPA: 3.25 / 4.00

Relevant Coursework: Data Structures & Algorithms, OOP (Java), Software Engineering, Database Systems, Machine Learning & Neural Computing, Systems Analysis & Design

## CERTIFICATIONS & CONTINUOUS LEARNING

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- [AWS Solutions Architect Associate – Course Completion](#) | Udemy
- [Apache Kafka Essential Training](#) | LinkedIn Learning
- [Microservices Foundations](#) | LinkedIn Learning
- [Docker for Developers](#) | LinkedIn Learning

## PROFESSIONAL REFERENCES

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Mrs. Mathangi Krishnathan — Lecturer, University of Colombo School of Computing | [mk@ucsc.cmb.ac.lk](mailto:mk@ucsc.cmb.ac.lk)

Mr. Sumith Gamage — Chief Technical Officer (CTO), OmobioNG Pvt Ltd | [banduwgs@gmail.com](mailto:banduwgs@gmail.com)