SITHUM IMESH

ASSOCIATE SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Junior Software Engineer with 1.5+ years of experience in architecting real-time Building Management Systems (BMS) for a UK-based firm. Specialized in Flutter mobile development and Spring Boot RESTful APIs, with deep expertise in MQTT, WebSockets, and JWT-based security. Proven track record in optimizing application performance by resolving production-level issues and managing end-to-end iOS deployments via App Store and TestFlight. Dedicated to delivering scalable, high-quality code and versatile in implementing comprehensive web solutions to meet diverse business requirements.

TECHNICAL SKILLS

Languages & Web: Java, JavaScript, Swift, Kotlin, HTML5, CSS3, Tailwind CSS

Frameworks & Libraries: Spring Boot, Flutter, React, Node.js

Databases & Tools: MySQL, SQLite, Figma, Photoshop, Git, Postman

Mobile Development & Distribution: Xcode, Android Studio, App Store Connect, TestFlight

Backend & Security: RESTful APIs, JWT authentication, API security

Real-Time Communication: MQTT, WebSocket

CMS & Web Development: WordPress, Theme Customization, Plugin Configuration

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WORK EXPERIENCE

Associate Software Engineer
TID Global │ UK-based (Remote)
Sept 2025 – Present

- Developed 4 Flutter applications for The Bryanston parking management system with MQTT device control, CCTV monitoring, and lift/gate/lighting management
- Developing Flutter application For SafeMesh and SPOG building management System
- Designed UI/UX in Figma Design for SafeMesh and SPOG mobile applications
- Implemented background services for continuous MQTT notifications with SQLite persistence, enabling alerts even when app is terminated
- Integrated WebSocket (STOMP) for real-time image delivery with global popup preview system
- Built authentication system, API integration, and deep linking from background notifications to specific screens
- Performed React frontend API integration for SPOG building management system
- Refactored legacy Spring Boot backend components to RESTful API architecture for improved scalability

Intern Software Engineer
TID Global │ UK-based (Remote)
Sept 2024 – Sept 2025

- Developed native Android application using Kotlin with MQTT messaging for SPOG BMS system
- Implemented JWT authentication with refresh tokens, token revocation, and automated security
- monitoring system that alerts administrators after multiple failed login attempts
- Resolved security vulnerabilities in Spring Boot backend (SPOG BMS System)
- Maintained Swift iOS application (MBuild), fixed bugs, implemented enhancements, and managed complete deployment from TestFlight to App Store publication

PROJECTS

MC Enterprises (Innovesta Project)
- Developed a Java-based management solution for a coir manufacturing business to streamline production tracking and inventory.

Shoe Shop Management System
- A full-stack Spring Boot application featuring JWT Authentication, managing inventory, suppliers, orders, and returns with automated stock logic.

[More](#)

EDUCATION

Higher Diploma in Software Engineering (GDSE)
Institute of Software Engineering (IJSE) │ Sept 2022 – Sept 2024

G.C.E. Advanced Level (Mathematics Stream)
Hikkaduwa Sri Sumangala College │ 2021 – 2022

G.C.E. Ordinary Level
Hikkaduwa Sri Sumangala College │ 2018

CERTIFICATIONS

Graduate Diploma in Software Engineering (GDSE)
Institute of Software Engineering (IJSE)
[View Certificate](#)

Certificate of Merit (Batch Rank 6)
Awarded for academic excellence at IJSE
[View Certificate](#)

Innovesta Excellence Certification
For the MC Enterprises Management System
[View Certificate](#)

LANGUAGES

- **English:** Professional Working Proficiency.
- **Sinhala:** Native Proficiency.