

# Ishara Deshan Appuhami

## Associate Software Engineer

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Portfolio – [My-Portfolio](#)

### EDUCATION

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#### Birmingham City University

Birmingham, UK

*Bachelor of Science (Honors) in Software Engineering (Top-Up)*

27 April 2026

*Affiliated Institution: Java Institute for Advanced Technology*

- **GPA:** Second Class: Division I
- **Related Coursework:** Data Structures & Algorithms, Business Component Development, Object Oriented Design Patterns, Handheld Device Programming, Cyber Law, Object-Oriented Programming

### PROJECTS

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#### NoteRelief – Free Study Material Platform for Disaster-Affected Students

- Developed a non-profit educational platform to support Sri Lankan students (Grade 1–A/L) who lost study materials due to floods and natural disasters.
- Implemented secure note uploading, admin review/approval workflows, and public access, ensuring content quality and platform safety.
- Integrated session-based analytics to track note views and downloads while preventing misuse.
- Designed a mobile-responsive interface optimized for students using low-bandwidth and mobile devices.

**Tech Stack:** Next.js, TypeScript, React, Tailwind CSS, Clerk, Supabase, ImageKit

**GitHub:** <https://github.com/IsharaDeshan6/note-relief>

**Live On:** <https://note-relief.vercel.app/>

#### SilkenSoft – Mobile Commerce Platform for Clothing Retail

- Developed a full-featured Android e-commerce application enabling customers to browse products, manage carts, place orders, and track deliveries in real time.
- Implemented secure authentication, online payments, order management, and push notifications, delivering a complete shopping lifecycle within a single app.
- Applied MVVM architecture with RESTful APIs and local SQLite storage to ensure scalability, maintainability, and offline support.
- Integrated PayHere payments, Firebase Cloud Messaging, and Google Maps, enhancing checkout security, user engagement, and delivery location handling.

**Tech Stack:** Android, Java, MVVM, REST API, Firebase, PayHere, SQLite

**GitHub:** <https://github.com/IsharaDeshan6/SilkenSoft-Android-Project-Final/>

#### Patient Management System – Healthcare Operations Platform (Microservices Architecture)

- Designed and implemented a microservices-based healthcare backend handling patient records, authentication, billing, and analytics using Spring Boot.
- Built JWT-secured authentication, API Gateway with rate limiting, and service-to-service communication via gRPC, ensuring secure and efficient request flow.
- Integrated Kafka for real-time event processing and Redis caching to improve system responsiveness and analytics throughput.

**Tech Stack:** Java 21, Spring Boot, Kafka, Redis, gRPC, PostgreSQL, Docker, AWS CDK

**GitHub:** <https://github.com/IsharaDeshan6/patient-management>

### **Employee Management System – Secure Workforce Authentication & Management API**

- Developed a secure backend system for employee authentication and access control, using JWT-based authorization to protect REST APIs.
- Designed production-ready API documentation with Swagger, improving developer usability and testing efficiency.
- Used H2 for isolated testing and MySQL for persistent storage, ensuring reliable development and deployment workflows.

**Tech Stack:** Java 21, Spring Boot, Spring Security, JWT, MySQL, Swagger

**GitHub:** <https://github.com/IsharaDeshan6/nsbm-employ-management>

### **Global Luxury Auto – Interactive Luxury Vehicle Sales Platform**

- Designed and developed a high-end vehicle sales web application with dynamic vehicle listings and detailed specification pages using Next.js and TypeScript.
- Implemented immersive 3D vehicle visualizations and interactions using Three.js, enhancing user engagement and product presentation.
- Enhanced user experience with smooth animations, responsive layouts, and theme support using Tailwind CSS and Framer Motion.

**Tech Stack:** Next.js, TypeScript, Three.js, Tailwind, Framer Motion

**GitHub:** <https://github.com/IsharaDeshan6/vehicle-sale>

## **ACHIEVEMENTS**

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### **SLASSCOM & LSEG – Code & Conquer Hackathon**

**Nov 2024**

*3rd Place – National Hackathon Finalist*

*Achieved 3rd place among as national hackathon finalist among experienced corporate-level participants.*

*Recognized for technical innovation and received opportunities for further project development support.*

## **SKILLS**

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**Programming:** Java, JavaScript, TypeScript, HTML, CSS, SQL

**Backend & Technologies:** Spring Boot, Node.js, Express.js, Appwrite, Payload CMS, Microservices, Kafka, Redis, gRPC, Docker

**Frontend Tools & Libraries:** Tailwind CSS, Radix UI, Three.js, React Three Fiber, Framer Motion, GSAP

**Databases & ORM:** PostgreSQL, MySQL, SQLite, MongoDB, Drizzle ORM, Spring Data JPA

**Languages:** English, Sinhala

## **REFERENCES**

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Name: Akash Induruwa

Position: Senior software engineer ( Cambio)

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Name: Prasanna Senanayaka

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