

JEHAN FERNANDO

Intern - Full Stack Developer

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PROFILE

I'm a second-year Computer Science undergraduate at the Informatics Institute of Technology (IIT), affiliated with the University of Westminster, UK. I'm passionate about full-stack development and software engineering, with hands-on experience building dynamic web applications using the MERN stack (MongoDB, Express.js, React, Node.js) and backend technologies like Java & Spring Boot. I've designed and integrated RESTful APIs, worked with both SQL and NoSQL databases, and followed principles of object-oriented programming, clean code, and modular architecture. I thrive in agile, fast-paced environments and bring a proactive approach to learning and problem-solving. I adapt quickly to new technologies, collaborate effectively in team settings, and am eager to apply my technical skills, creativity, and communication abilities to build scalable, user-centered software solutions.

TECHNICAL SKILLS

- Java
- Python
- JavaScript
- Springboot
- Node.js
- React
- Tailwind CSS
- Flutter
- HTML
- CSS
- MySQL
- MongoDB
- Mongoose
- Firebase
- REST API
- Git/ GitHub
- Postman
- Vercel
- Render
- Bootstrap
- PHP
- CI/CD
- Figma
- Express.js
- Redux

ACADEMIC PROJECTS

Imperial Fit - Gym Product Web App [\(Deployed\)](#)

A modern fitness platform offering personalized workout plans, progress tracking, and an integrated e-commerce section for gym essentials fostering a supportive community for fitness enthusiasts.

Features: Custom workout plans, progress tracking, gym product store, motivational community content, user-friendly interface

Tech: ReactJS, Vite, Tailwind CSS, React Router, Node.js, Express.js, MongoDB, Mongoose, Clerk, CORS, RESTful API

Real-Time Event Ticketing System [\(Deployed\)](#)

A robust real-time ticketing system enabling vendors to release tickets and customers to purchase them concurrently, featuring a dynamic React front-end and a Spring Boot backend for efficient transaction handling.

Features: Producer-Consumer pattern, Multi-threaded ticket release/purchase, dynamic dashboard, transaction logging, periodic polling

Tech: React, Spring Boot, OOP, Java, REST API, Periodic Polling

Bookstore Application [\(Deployed\)](#)

Developed a full-stack bookstore platform with a RESTful API to manage books, authors, carts, and orders, integrated with a responsive React frontend for seamless user experience. Deployed on Render and Vercel.

Features : Browse and manage books/authors, shopping cart, order placement, REST API with CRUD operations

Tech: Java, JAX-RS (Jersey), Jetty, Maven, Docker, React, Tailwind CSS, Vercel, Render, Swagger, Jackson, Postman

We Neighbour - Group Project [\(Deployed\)](#)

A smart community management platform enhancing communication, security, and engagement in apartment communities.

Features: Real-time alerts, QR code-based visitor management, resource sharing, an event calendar, a community forum, and a verified services directory.

Tech Stack: Flutter, Node.js, MongoDB, AWS, Firebase , Google Calendar API.

Plane Ticket Management System [\(Deployed\)](#)

Plane Ticket Management is a full-stack application for streamlined airplane seat reservations, offering booking, cancellation, and search functionality through a RESTful API and a responsive React frontend with a visual seat map.

Features: Seat booking/cancellation, seat search, visual seat map, ticket management, input validation, dynamic pricing, CORS support.

Tech Stack: Java, Spring Boot, React, Tailwind CSS, Fetch API, Render, Vercel.

Dream Space - Property Search App [\(Deployed\)](#)

A dynamic platform for seamless property browsing and management.

Features: Advanced filtering, detailed property listings, Google Maps integration, high-quality visuals.

Tech: React, Google Maps API, React Router, CSS, JSON Data Handling, UI Libraries

EDUCATION

University of Westminster

BSc (Hons) in Computer Science 2023 - Present | Module Grades [\(Refer\)](#)

St.Peter's College Colombo 04

GCE Advanced Level (Maths Stream) — 2B's and 1C (2021)

PROFESSIONAL CERTIFICATES

- Full-stack Engineering for Entrepreneurship - STEM Link [\(Refer\)](#)
- GitHub Actions for CI/CD - LinkedIn
- Learning REST APIs - LinkedIn
- React Essential Training - LinkedIn
- Java Object-Oriented Programming - LinkedIn
- Spring Boot 2.0 Essential Training - LinkedIn
- Programming Foundations: Object-Oriented Design - LinkedIn

PROFESSIONAL SKILLS

- Effective Communication
- Teamwork & Collaboration
- Leadership & Project Coordination
- Agile Workflow Proficiency
- Time Management & Task Prioritization
- Problem-Solving & Critical Thinking
- Continuous Learning & Adaptability
- Attention to Detail

EXTRA-CURRICULAR ACTIVITIES

- General Member – Interact Club, St. Peter's College
- Member – IEEE Student Branch of IIT
- Member – ICT Club, St. Peter's College
- Member – Maths & Science Society, St. Peter's College
- Member – Leo club of IIT

REFERENCES

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