JEHAN FERNANDO

Intern - Software Engineer

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Profiles

in www.linkedin.com/in/jehan-fernando-   🌐 **Portfolio**   ○ https://github.com/Jehanfernando02

Summary

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.

Education

University of Westminster   BSc (Hons) in Computer Science   *2023 - Present* | Module Grades : View

St.Peter's College Colombo 04   GCE Advanced Level (Maths Stream) — 2B's and 1C   (2021)

Projects

- **Imperial Fit - Gym Product Web App**   ○ Imperial-Fit   Live : https://imperial-fit.vercel.app/

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**   ○ Ticketing-System   Live : https://event-ticketing-realtime.vercel.app/

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**   ○ BookStore   BookStoreAPI   Live : https://libro-nest.vercel.app/

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**   ○ We-Neighbour   Live : https://www.weneighbour.live/

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.

- **Dream Space - Property Search App**   ○ Dream Space   Live : https://dream-space-chi.vercel.app/

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

- **Plane Ticket Management System**   ○ Plane-Ticket   Live : https://plane-ticket-management.vercel.app/

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.

Skills

Soft Skills:

- Effective Communication
- Adaptability & Time Management
- Leadership & Project Management
- Teamwork & Collaboration
- Problem Solving & Critical Thinking
- Decision-Making

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

Certifications

- **STEMLink - Full-stack Engineering for Entrepreneurship: Beginners Edition**

Completed the Full-stack Engineering for Entrepreneurship course and earned a certificate by implementing 5 core challenging features for a feature-rich e-commerce platform. Gained hands-on experience in full-stack development, from front-end technologies to back-end integration. View Certificate

- **LinkedIn Learning**

Certified in REST APIs, OOP, OOP Design, Spring Boot, React.js, and GitHub Actions for CI/CD, with a strong foundation in scalable application development. View Certificates

Extra-Curricular Activities

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

References

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