Inupa Udara

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CAREER SUMMARY

Software Engineering undergraduate with 1 year experience as a Software Engineer intern in designing, developing, and implementing web applications. Gained practical skills in developing efficient and scalable software applications using modern technologies like React, Next.js, Flutter, Node.js and Spring Boot and passionate about contributing to Agile teams and developing scalable, innovative solutions to tackle complex challengers.

EXPERIENCE

Software Engineer Intern - SparQ Corporate Australia   **July 2024 - Present**

- Developed robust web applications by designing and implementing key frontend and backend features, integrating RESTful APIs, and optimising user experience for enhanced user engagement.
- Collaborated closely with the product teams to conduct user research, gather requirements, and deliver innovative solutions
- Leveraged technologies such as React, Next.js, Redux, and Java Spring Boot to build scalable, high-performance applications that met business objectives

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EDUCATION

BSc (Hons) in Information Technology Specialising in Software Engineering · CGPA - 3.47 · Year 4
Sri Lanka Institute of Information Technology (SLIIT), Malabe, Sri Lanka | Expected Graduation: October 2026

Primary and Seconday Education
Mahinda Rajapaksha College, Homagama, Sri Lanka

SKILLS

- Frontend Development: **React.js, Redux, HTML, CSS, Material-UI, Tailwind CSS**
- Programming Languages: **JavaScript, TypeScript, Java, Python**
- Backend & Full-Stack: **Node.js, Express.js Spring Boot, MERN Stack, Next.js**
- Databases: **MongoDB, MySQL, PostgreSQL**

PROJECTS

GamerTech - Web App Dashboard for Packaging App   **Typescript, React ,Material UI**

- Developed and contributed to the admin dashboard of a packaging app by implementing CRUD operations and data filtering.
- cross-functional collaboration with backend teams to ensure seamless API integration and optimized data flow between frontend components and backend services

CJ Gym - Online Gym Management System · Github   **React, Redux, Node.js, Express.js, Tailwind CSS**

- Developed web application for a gym & fitness centre using MERN Stack as group project.
- Implemented robust state management using Redux for complex data flows and integrated RESTful APIs for dynamic content delivery and real-time updates

EcoBin - Smart Waste Management System · Github   **React, Redux, Node.js, Express.js, Material UI**

- Developed an intuitive and responsive frontend for managing schedules, tracking garbage types, and viewing optimised collection spots on a map.
- Designed responsive, user-centric interfaces using React.js and Material-UI, improving user engagement through intuitive navigation and mobile-first design principles

Cloud-Native Food Ordering & Delivery Platform · Github   **React, Redux, Node.js, Express.js, Microservices, Docker**

- Developing a scalable microservices-based food delivery ecosystem as part of advanced Distributed Systems coursework, implementing containerized architecture with Docker
- The platform includes role-based access (Customer, Restaurant Admin, Delivery Personnel), real-time delivery tracking, payment gateway integration(Stripe), and notification services via SMS and email.

Countries App using REST Countries API · Github   **React, Tailwind CSS, Node.js, Express.js**

- Developed a comprehensive React-based web application that consumes REST Countries API to provide users with detailed country information and interactive filtering capabilities
- The application features responsive design, session management with context API, and comprehensive testing implementation.