

Chanuka Keerthisigha

JuniorFullStackDeveloper| FrontendSpecialist

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Summary

Junior Full Stack Developer with over 3 years of hands-on freelance experience building and deploying real-world web and application projects. Proven ability to deliver end-to-end solutions, with a strong emphasis on frontend development using React, complemented by practical backend API development, database integration, and deployment expertise. Adept at working independently on small to medium-scale projects and eager to contribute to larger systems within a professional engineering team. Seeking a Junior/Associate Software Engineer or Full Stack Developer role to leverage and expand technical capabilities.

Experience

Frontend Developer, Freelance – Sri Lanka

Delivered responsive, mobile-first websites and frontend applications for local businesses and personal demo projects, showcasing expertise in React and modern web development practices.

- Engineered and deployed multiple responsive, mobile-first websites and frontend applications for local businesses and demo use cases using React, Vite, and Tailwind CSS.
- Implemented key business-focused features including WhatsApp click-to-chat integrations, inquiry forms, service listings, and dynamic landing pages.
- Prioritized UI consistency, responsiveness, accessibility, and performance optimization to enhance user experience and achieve client objectives.
- Translated client requirements into clean, reusable frontend code with meticulous attention to layout, user flow, and overall usability.
- Managed the full deployment lifecycle for frontend projects utilizing Vercel and associated deployment tooling.

Projects

Urban Food E-Commerce Platform (Demo Project)

Developed a comprehensive food ordering and product management system, including a customer ordering flow and backend logic for product CRUD operations and order handling.

- Implemented product CRUD operations and order handling logic to manage inventory and customer purchases.
- Managed backend data persistence and integrity using PHP, MongoDB, and SQL.
- Gained practical experience in managing multi-step user flows and ensuring backend data consistency for a seamless e-commerce experience.

Tuition Management Android Application

Created an Android application designed for managing students, classes, and assignments, incorporating QR-based attendance tracking and Firebase for data storage.

- Developed an Android application for efficient management of students, classes, and assignments.
- Implemented QR-based attendance tracking for streamlined student check-ins.
- Utilized Firebase Firestore and Storage for robust assignment submission and file storage capabilities.
- Built the application using Android Studio and Kotlin, adhering to modern Android development best practices.

Smart Parcel Box (IoT + Backend Integration)

Designed and developed an IoT-based smart parcel box system, integrating ESP8266 for real-time communication and Firebase for backend data storage and monitoring.

- Engineered an IoT-based smart parcel box system with integrated ESP8266 for real-time device communication.
- Leveraged Firebase for backend data storage and real-time monitoring of device status.
- Integrated sensors and servo motors to enable automated parcel handling and secure access control.
- Developed backend logic to effectively manage device state and user access permissions.

Business Websites & Frontend Projects (Client & Demo)

Developed multiple responsive business websites for various service industries, focusing on clean UI design, performance, and integrated booking functionalities.

- Built multiple responsive business websites for industries including beauty salons, construction, and service providers.
- Integrated WhatsApp booking and inquiry functionalities to enhance customer engagement and lead generation.
- Focused on delivering high performance, responsive layouts, and clean UI design principles.
- Utilized a tech stack including React, Vite, Tailwind CSS, HTML, CSS, and JavaScript.

Education

National Institute of Business Management (NIBM), Higher National Diploma (HND) in Software Engineering – Sri Lanka

Jan 2024 – present

National Institute of Business Management (NIBM), Diploma in Software Engineering – Sri Lanka

Jan 2023 – Jan 2024

Skills

Programming Languages: JavaScript, PHP, Kotlin, HTML5, CSS3

Frontend Frameworks & Libraries: React, Tailwind CSS

Backend Technologies: Node.js, Express.js, RESTful API Development

Databases: MySQL, MongoDB, Firebase Firestore

Cloud & Deployment: Vercel, Firebase Hosting

Tools & Platforms: Git, GitHub, VSCode, Android Studio, Postman

IoT: ESP8266, Sensors, Servo Motors

Languages

English: Medium

Sinhala: Fluent