

Thusitha Kithuldora

FRONTEND FOCUSED FULLSTACK SOFTWARE ENGINEER

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Profile Summary

Frontend focused full-stack engineer with hands-on experience building scalable, accessible web applications using React and TypeScript. Currently a Trainee Software Engineer at Qoria LK, working on a production-level micro-frontend EdTech product with a strong focus on WCAG accessibility, state management, testing, and API integration. Delivered client projects and experienced performance optimization, clean UI development, and agile workflows.

Skills

- **Frontend:** HTML, CSS, SASS, JavaScript, TypeScript, React, Next.js, Tailwind CSS, Chakra UI, Micro Frontend
- **Backend:** Java (Springboot), Golang (Echo)
- **Databases:** MongoDB, MySQL, SQLServer, Firebase, Prisma DB
- **Tools & Platforms:** Git, GitHub, VS Code, Firebase, Vercel, Netlify, Postman
- **Other:** Responsive Design, Microfrontend, REST APIs, SEO Basics, PWA, Figma & Adobe XD.

Experience

Trainee Software Engineer

Qoria LK | Colombo

Sep 2025 – Present

- Worked on **EdTech Insights**, a production-level **EdTech micro-frontend application** using **React + TypeScript, Vite Module Federation, Redux, Axios** and **Chakra UI**.
- Implement new features, fixed production bugs and delivered UI/UX enhancements.
- Took full ownership of **WCAG accessibility compliance**, improving keyboard navigation, ARIA labels, contrast ratios, and screen-reader compatibility across the application.
- Wrote and maintained unit tests using **Vitest**.
- Collaborated closely with designers, backend engineers, and product stakeholders in an agile environment.

UI Developer

Kongcepts | Kandy

Oct 2020 – January 2025

- Developed and maintained **responsive websites**, improving load speed by up to **50%** using image optimization and code splitting.
- Converted Figma/PSD/XD designs into pixel-perfect code with **100% client approval rate** across all major deliverables.
- Implemented accessibility features that brought websites to WCAG 2.1 AA compliance.
- Improved SEO scores by **20–35%** across key pages using schema, meta tags, and performance enhancements.
- Assisted in the development of AMP websites to provide 2 x faster loading on mobile devices.
- **Highlighted Projects**
 - Kidamento
 - Kongcepts website: Boosted average session duration by **40%**.

Education

- BSc (Hons) in Electronics and Computer Science
University of Kelaniya, Sri Lanka
2022 – 2026

Projects

1. ConnectWithMe.digital Platform

Personal Project | Next.js + TypeScript | 2026

- Developed a modern personal branding and digital profile sharing platform using Next.js App Router, TypeScript, Prisma, and Clerk authentication.
- Implemented secure user authentication, customizable public profile pages, QR code sharing, and vCard contact features for seamless networking.
- Integrated Cloudinary for optimized media uploads and delivery, improving image performance and user experience across devices.
- Built a fully responsive and scalable UI architecture with reusable components and SEO-friendly rendering for improved discoverability.
- **Live Demo:** <https://www.connectwithme.digital>

2. Sanit.lk Business Website

Freelance Client Project | Next.js + TypeScript | Mar 2025

- Building a fully responsive business website with **20+ reusable UI components** using Next.js and TypeScript.
- Achieved **98+ Lighthouse performance score** and improved SEO by implementing server-side rendering and meta optimization.
- Collaborated with the client across **10+ content and UI feedback iterations** for optimal design.
- **Live Demo:** <https://sanit-demo.netlify.app/>

3. IoT-Enabled Smart Garbage Bin System

Final Year Project | Next.js, TypeScript, ESP8266, Firebase | Jan 2025 – Aug 2025

- Integrated **2 ultrasonic sensors**, Neo 8m GPS sensor, ESP8266, and Firebase to monitor waste levels and automate bin access.
- Built a Progressive Web App (PWA) with **3 role-based dashboards** (admin, user, collector).
- Enabled real-time tracking of **10+ bins** and successfully reduced manual bin checks by **70%** in pilot testing.
- Designed system to handle **100+ concurrent users** with offline support and real-time alerts.
- Website: <https://go-green-khaki.vercel.app>
- Repository Link: <https://github.com/thusithakit/go-green>

4. Travel Planner Website

University Project | React, Springboot | Dec 2024 – Feb 2025

- A full-stack travel planning web app using **React (JS)** for the client UI, **React (TS)** for the admin panel, and **Spring Boot + MongoDB** backend.
- Users can explore destinations, create itineraries, and manage trips. Created secure login/authentication flows using JWT, achieving **zero authentication bugs** after QA testing.
- Repository Link: <https://github.com/thusithakit/Odyssey-admin-panel>