

Maneesha Barandeniya

Senior Frontend Engineer

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Summary

Senior Frontend Engineer with 7 years of experience building scalable, high-performance web and mobile applications using React.js, Next.js, TypeScript, JavaScript, and React Native. Strong experience in frontend architecture, micro-frontends, reusable component systems, data-intensive interfaces, and interactive geospatial applications. Proven track record of improving frontend performance, developing accessible and responsive user experiences, and integrating complex REST and GraphQL APIs. Experienced in working remotely with international product and engineering teams across Europe and the Middle East.

Skills

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, React Native

State & Data: Redux, Zustand, TanStack Query, GraphQL, Apollo Client, REST APIs

Architecture: Micro-Frontends, Monorepos, Component Architecture, Design Systems, Responsive Design

UI & Styling: Tailwind CSS, MUI, Ant Design, Chakra UI, SASS, Storybook

Maps & Data: Leaflet, Mapbox, Google Maps, Data Visualization, Geospatial Interfaces

Testing & Quality: Jest, React Testing Library, ESLint, Prettier, Accessibility, WCAG

Performance: Core Web Vitals, Lighthouse, Rendering Optimization, Frontend Performance Optimization

Tools & Platforms: Git, Docker, Azure, Firebase, Vite, Expo, Jira

Internationalization: i18n, English/Arabic Localization, RTL Interfaces

Experience

Dubai Technologies

UAE, Dubai (Remote)

Senior Frontend Engineer

11/2024 – Present

Contributed to the development of government-sector applications, including systems for Dubai's Roads and Transport Authority (RTA) and projects related to port operations, delivering production-grade frontend solutions using React.js and TypeScript.

Developed data-intensive geospatial interfaces for RTA systems using React.js, Leaflet, and Mapbox, enabling interactive visualization and management of complex location and operational data.

Designed and implemented scalable micro-frontend architecture, supporting modular development, reusable components, maintainable codebases, and independent application deployments.

Optimized map rendering and geospatial data processing, improving location-data rendering performance by approximately 60% through component optimization, efficient data handling, and reduced unnecessary re-renders.

Built reusable frontend components and operational interfaces for government projects, translating technical and business requirements into responsive, maintainable production features.

Collaborated with backend engineers, product teams, and system stakeholders on architecture and implementation decisions for large-scale government and transportation applications.

Parkway Labs (Pvt) Ltd

Remote (Netherlands)

Software Engineer

02/2022 – 11/2024

Led development of cross-platform applications using React Native for fintech, crypto automation, and real-estate products.

Contributed to a large-scale financial application with a focus on performance, security, API integration, and smart-contract integrations.

Architected frontend applications using a monorepo approach, improving code reuse, scalability, and collaboration across projects.

Built scalable web applications using React.js, Redux, and modern JavaScript patterns.

Integrated frontend applications with backend services and APIs while maintaining reliable application state and user experiences.

Developed unit and integration tests using Jest and React Testing Library to improve application reliability.

Worked directly with international clients to translate product and business requirements into technical frontend solutions.

Qualia Tech International (Pvt) Ltd - (startup)

Remote (Sweden)

Software Developer

06/2021 – 02/2022

Developed a responsive SaaS administration platform using React.js, Next.js, TypeScript, Chakra UI, GraphQL, and Apollo Client.

Created reusable frontend components and improved maintainability using modern JavaScript and TypeScript practices.

Used Storybook to develop, document, and validate reusable UI components.

Applied secure authentication patterns, dependency vulnerability remediation, and OWASP-aware development practices.

Optimized frontend performance for SaaS applications serving users across multiple regions.

Treelog - (startup)

Hybrid (Sri Lanka)

Frontend Developer

09/2019 – 06/2021

Developed an online resume and cover-letter platform using React.js, Hooks, and Context API.

Converted HTML-based resume and cover-letter templates into reusable, interactive React components.

Developed responsive and accessible interfaces following WCAG and keyboard-navigation practices.

Implemented SEO-focused frontend improvements and maintainable HTML/CSS architecture.

Optimized HTML and CSS implementation, reducing page-load times by approximately **30%**.

Education

London Metropolitan University

Bachelor of Engineering • Upper Second Class Honors

Software Engineering

02/2023 – 01/2024

University Of Colombo

Diploma In Information Technology

IT

Colombo • 01/2021 – 01/2022

<> Projects

Showloomz (SaaS)

06/2026 – Present

A multi-tenant SaaS platform for photographers and visual businesses to create and manage professional portfolio websites, galleries, enquiries, invoices, and business settings from a centralized dashboard.

Built a secure, **tenant-isolated architecture** with AWS authentication, onboarding, client gallery sharing, subscription management, and tenant-scoped data access to support multiple independent businesses on a single platform.

Customizable portfolio themes, gallery management, client proofing workflows, and business administration features optimized for both desktop and mobile.

TurnTaxi

06/2024 – Present

Built an Uber-style taxi platform with live driver tracking, trip-state management, Google Maps routing, fare calculation, and push notifications.

Implemented real-time synchronization using Firebase Firestore and location services.

Optimized Firestore usage by approximately **40%**.

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Languages

English	Sinhala
Full Professional Proficiency	Native