

Senthil K

 portfolio.senthil.world |  senthil.karthikeyan.official@gmail.com |  +91 9385965048

 github.com/senthil-karthikeyan |  linkedin.com/in/senthil-karthikeyan |  chennai

Skills

Frontend: React.js, Next.js, React Native, Expo, Vue.js, Nuxt.js, TypeScript, JavaScript (ES6+), Redux Toolkit, React Query, React Hook Form, Zod, Three.js, React Three Fiber, GSAP, Framer Motion, Tailwind CSS, Material UI, SCSS

Backend: Go, Go Fiber, Rust, Node.js, Express.js, Nest.js, Fastify, PostgreSQL, MongoDB

Other: Web Assembly with Rust, REST APIs, Monorepo, Git, Figma, Blender, Framer

Summary

Frontend-focused full-stack developer with 1.2 years of experience building high-performance applications using React, Next.js, Vue, TypeScript, Tailwind, MUI, and SCSS. Experienced in managing complex state across 10+ projects using Zustand, Redux Toolkit, and React Query, and in creating interactive 3D and animation-rich experiences with Three.js, React Three Fiber, GSAP, and Framer Motion. Backend exposure includes Go, Rust, and Node.js, with hands-on work across PostgreSQL and MongoDB. Strong collaborator focused on performance, usability, and delivering scalable front-to-back architectures.

Work Experience

Frontend Focused Full Stack Developer

Mar 2025 - Present

Mako it lab, Chennai

- Built and delivered **10+ production-ready custom apps** for Rocketlane, improving workflow automation and feature delivery across teams.
- Optimized a **1,000+ row / 15+ column** editable table using **event delegation**, reducing DOM event listeners by **90%** and significantly improving UI responsiveness.
- Improved large data rendering performance with **virtualized tables**, cutting load and scroll lag by **60–70%**.
- Developed reusable UI components, shared utilities, and state-management patterns (Zustand + React Query), improving development speed by **30%**.
- Enhanced stability by debugging, testing, and validating builds across staging & production environments.

Frontend developer Intern

Oct 2024 - Mar 2025

Mako it lab, Chennai

- Developed key modules for **Brane Mobility**, including advanced Mapbox features (A→B routing, region highlighting, layer toggles, before/after slider).
- Engineered complex map state using **Zustand**, improving interaction smoothness and reducing render conflicts by **50%**.
- Built analytics dashboards with ApexCharts and form flows with RHF + Yup, increasing data-handling accuracy and reducing form errors.
- Improved developer experience by setting up strict TypeScript, ESLint rules, fast HMR, and optimized Vite config.

Project Work

- Twitter Clone :** Built a full-stack social platform with JWT authentication, email verification, and core features like post, like, comment, follow, and bookmark. Added Cloudinary image uploads and protected routes using custom Next.js middleware. **Express.js, MongoDB, TypeScript, Next.js 14, React Query, Cloudinary.**

Education

KMG COLLEGE OF ARTS & SCIENCE
B COM - COMPUTER APPLICATION

2020 – 2023
CGPA - 7.4