



📁 PROFESSIONAL SUMMARY

Frontend specialist with 2 years of experience in modern web and mobile development, focusing on scalable React.js and Next.js applications. Proven expertise in microfrontend architecture, geospatial visualization, and real-time data systems. Strong background in performance optimization and UI/UX development, with experience in both frontend and backend integration using Node.js and GraphQL.

📁 PROJECTS

Marisec-AI (Vessel Analytics Platform),

React.js, Apollo GraphQL, Node.js, Mapbox GL, Docker

05/2024 – 04/2025

- Built micro-frontend architecture using Vite module federation for scalable dashboards
- Developed core mapping features with React Map GL: real-time/historical vessel tracking, Mapbox Draw GL for geoshapes (CRUD operations), and custom layer styling
- Implemented advanced geospatial visualizations using D3.js, Turf.js (buffers/clustering), and heatmaps for millions of data points
- Created query builder interface (React+MUI) with saved queries/geoshapes (color/label customization) and GeoJSON upload via drag-and-drop
- Integrated Apollo Client/Redux for global state management and GraphQL subscriptions for real-time data
- Developed export functionality (PDF/CSV) using PapaParse, pdfmake/autoTable and analytics dashboards with MUI Data Tables & X Charts
- Containerized services with Docker and optimized Nginx deployments

Ride Booking App, *React Native, React.js, Redux, Chart.js*

09/2023 – 04/2024

- **Assisted in developing** cross-platform mobile apps (iOS/Android) using **React Native**, implementing ride-booking interfaces and **Google Maps API integration** for real-time location tracking.
- **Contributed to** the admin dashboard (React.js) by building **form-based CRUD operations** (user/driver management) using **React Hook Form**, improving data submission efficiency.
- **Supported integration** of **Socket.IO** for real-time ride status updates, collaborating with seniors to debug connectivity issues.
- **Helped design** analytics dashboards with **Chart.js** to display key metrics (rides, revenue) under guidance from senior developers.

📁 PERSONAL PROJECTS

E-commerce Product Page | *Next.js, TypeScript, Redux* ✍

Built SSR product listing with FakeStoreAPI integration, Implemented responsive grid, filtering (category/price), and cart management, Optimized performance with Next.js Image and dynamic imports

MediCare Medication Tracker ✍

Developed role-based system (patients/caretakers) with Supabase auth, Created medication CRUD, intake logging with photo proof, and adherence analytics, Implemented real-time updates via Supabase subscriptions

🎓 EDUCATION

Government College of Engineering, Bodinayakkanur,

Bachelor of Engineering in Computer Science

2019 – 2023 | 7.9 CGPA, Bodinayakkanur, Theni

💼 EXPERIENCE

Heinwig Technologies Pvt Ltd, *Software Engineer*

05/2024 – 04/2025 | Remote

- Built 2 micro-frontend apps using **React**, **Vite Module Federation**, and **Material-UI**
- Developed **real-time vessel tracking** with **Mapbox GL** and **React Map GL**, handling millions of data points
- Created **interactive geospatial visualizations** using **D3.js** and **Turf.js** for heatmaps/clustering
- Optimized data flow by designing **GraphQL endpoints** (Apollo Server/Node.js)
- Implemented **GeoJSON upload/export** and shared state management (**Apollo Client/Redux**)
- **Containerized** and deployed apps using **Docker** with **Nginx** load balancing

Ascending Software, *Software Development Intern*

09/2023 – 04/2024 | Tirunelveli, India

- Built cross-platform ride booking apps using **React Native** and **React.js** with **real-time tracking** via Socket.IO ✍
- Developed responsive UIs with **React Native Paper** and **Bootstrap**, integrating multiple REST APIs
- Created interactive analytics dashboards with custom **data visualizations** for trip metrics
- Implemented state management using **Redux** and **Context API** for consistent app behavior
- Optimized performance through code splitting and lazy loading techniques

🧠 TECHNICAL SKILLS

Programming: JavaScript (ES6+), TypeScript, HTML5, CSS3

Frontend: Next.js, React.js, React Native

Styling UI: CSS3, SASS, Tailwind CSS, Styled Components, Material-UI

State Management: Redux, Tanstack Query (React Query), Apollo Client State Management

Deployment: AWS (EC2), Vercel, Netlify, AWS Amplify, gh-pages

Methodologies & Fundamentals: Agile, Scrum, Microservices, Test-Driven Development, Object Oriented Programming (OOPs), Data Structures and Algorithm (DSA)

Geospatial: Mapbox GL JS, React Map GL, D3.js, Turf.js, GeoJSON, Mapbox GL Draw

Version Control: Git, GitHub, JIRA