

Mahesh Bodhanam – UI Developer / React / Frontend / MERN Stack / Full Stack

Hyderabad, India

Email: br95bm@gmail.com | Phone: +91 8179460185

LinkedIn: [linkedin.com/in/mahesh-bodhanam](https://www.linkedin.com/in/mahesh-bodhanam)

GitHub link: [maheshbodhanam](https://github.com/maheshbodhanam)

Professional Summary

I am a UI Developer with 3+ years of experience. I build web applications using the React JS. I am good at making mobile-friendly UI, using state management tools like Redux, Redux toolkit and Zustand, and testing using Playwright. I also convert web apps into Android/iOS apps using CapacitorJS.

Technical Skills

Frontend: React.js, Redux, Zustand, Tailwind CSS, Material UI, Bootstrap, HTML, CSS, JavaScript

Backend: Node.js, Express.js, MongoDB

Testing: Playwright, Jest

Version Control: Git, Bitbucket

Tools: VS Code, Postman

Cross-Platform Mobile App: CapacitorJS

Professional Experience

UI Developer

OrangeCells Innovation Lab Pvt Ltd, Bangalore (Sep 2022 – Present)

Project: IoT-Based Remote Fuel Monitoring & Analytics Platform

Project Description:

An end-to-end, cloud-native platform that enables industrial and commercial clients to track, analyze and optimize their fuel usage in real time. Leveraging proprietary IoT sensors and a time-series data framework, the solution provides live telemetry, customizable dashboards, predictive alerts, and detailed consumption reports—helping organizations reduce costs, prevent theft, and achieve operational efficiency.

Key Responsibilities & Achievements

- **UI Development**
 - Built fast, responsive user interfaces using React.js, Tailwind CSS, HTML, CSS & JavaScript.
 - Integrated **ApexCharts** for dynamic, interactive data visualizations (time-series fuel consumption, trend analyses, alert heatmaps).

- **Google Maps API Integration**
 - Integrated Google Maps API to display real-time device location with markers and historical tracking.
 - Implemented polygon and circle overlays for geofencing and area-specific monitoring.
 - Enabled live location tracking with dynamic updates and route visualization.
- **Real-Time Data Integration**
 - Consumed RESTful APIs for device management and historical data queries.
 - Implemented WebSocket-based push notifications for live alerts on threshold breaches, device offline events, and anomaly detections.
- **State Management**
 - Architected and managed complex application state with **Redux Toolkit**, including middleware for asynchronous data fetching and WebSocket event handling.
- **Quality Assurance Automation**
 - Wrote end-to-end test scripts using **Playwright**, achieving 90%+ UI test coverage across major user flows (login, dashboard, alert management).
- **Mobile-First Delivery**
 - Converted the web application into native Android and iOS apps with **CapacitorJS**.
- **Version Control & Collaboration**
 - Managed feature branches, pull requests, and code reviews in **Git** and **Bitbucket**.

UI Developer

Trinity Tech Solutions, Indore (Aug 2021 – Sep 2022)

- Designed mobile-responsive UIs using React, HTML, CSS, Tailwind CSS, Material UI, Bootstrap and JavaScript.
- Created reusable components and followed design systems.
- Integrated frontend with backend APIs smoothly.

☒ Project: AcknoLedger

Built an NFT marketplace where users can trade and network. Designed homepage, NFT cards, filters, and wallet connection UI.

☒ Project: Troprof

Developed an LMS (Learning Management System). Students can book teachers, attend live video sessions, and check materials. Designed dashboard, calendar, and video class UI.

Freelance Project

☒ Project: Coinfantacy

A decentralized fantasy gaming site. Converted Figma designs into fully responsive frontend using Tailwind CSS, HTML, CSS, and React.js.

Website link: [CoinFantasy](#)

Personal Projects

☒ Chat App

Real-time chat app built using React.js, Node.js, MongoDB, Tailwind CSS, HTML, CSS, and Socket.io. Supports multiple users and real-time messaging.

☒ Task Management Dashboard

A simple and responsive Kanban-style task management dashboard built with React JS, Json-server, Mswjs and Tailwind CSS. It allows users to add, view, and manage tasks across three columns: **To Do**, **In Progress**, and **Done**.

GitHub link: [maheshbodhanam/task-management-dashboard](#)

Host link: [Task Management Dashboard](#)

Education

Bachelor of Technology (Electronics & Communication Engineering) – 2016

Pragna Bharathi Institute of Technology, Hyderabad