

## **Mahesh Bodhanam – UI / React / Frontend / MERN Stack / Full Stack / Software Developer**

Hyderabad, India

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Portfolio link: [Mahesh Bodhanam](#)

LinkedIn: [Mahesh Bodhanam | LinkedIn](#)

GitHub link: [maheshbodhanam](#)

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### **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.

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### **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

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### **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.

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## 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](#)

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## Personal Projects

### ☒ My Portfolio Website

My Portfolio Website built using React.js, Node.js, MongoDB, Tailwind CSS, HTML, CSS.

GitHub link: [maheshbodhanam/mahesh-bodhanam-portfolio](#)

Portfolio link: [Mahesh Bodhanam](#)

### ☒ 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](#)

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## Education

**Bachelor of Technology (Electronics & Communication Engineering) – 2016**

Pragna Bharathi Institute of Technology, Hyderabad