MADHUBALAN S
FRONTEND DEVELOPER

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MadhubalanSubramani/Portfolio

SUMMARY

Front-End Developer with 3 years of experience building scalable, high-performance web applications using React.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Redux, Tailwind CSS, and Bootstrap. Skilled in transforming UI/UX designs from tools like Figma into responsive and reusable interfaces, with a focus on component-based architecture, performance optimization, RESTful API integration, and clean, maintainable code.

PROFESSIONAL EXPERIENCE

Swithin & Sherwin Pvt Ltd – *UI/UX Developer*
September 2023 – Present

- Developed UI for 3 web apps using React.js, delivering 60+ responsive and reusable screens with optimized component architecture.
- Designed scalable architecture following clean code principles and integrated Redux for state management, enhancing code reusability and cutting development time by 40%.
- Built a real-time clothing personalization feature using React and JavaScript, increasing demo-to-purchase conversions by 45% through an interactive and intuitive UI.

DocEngage Informative Pvt Ltd – *Software Developer*
July 2022 – September 2023

- Upgraded and maintained UI for 7 core healthcare modules using React.js, ensuring responsive design and consistent user experience across the platform.
- Implemented 5+ major usability features with React components and Redux state management, increasing task completion efficiency by 30%.
- Resolved 1,000+ frontend bugs and tickets in React applications, strengthening the system stability and reducing user-reported issues by 80%.

TECHNICAL SKILLS

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

Frameworks: React.js, Tailwind CSS, Bootstrap

Libraries: Redux, React Router, Axios, Material-UI, React Hook Form, Framer Motion

Cloud: Firebase

Design Tools: Figma

API Management: RESTful APIs

Version Control: Git, GitHub

EDUCATION

- **Bachelor of Engineering** (B.E) **–** Mechanical Engineering **–** 2018-2022 with an 8.4 CGPA from Bannari Amman Institute of Technology, Erode, Tamil Nadu.

PROJECTS

Project #1: UI Transformation in DocEngage Application
Role: Software Developer **| Domain:** Healthcare **| Technologies:** React.js, Redux, JavaScript (ES6+), HTML5, CSS3, Bootstrap

- Revamped UI for 7 modules using React.js, creating reusable components to boost clarity and reduce user interaction time by 25%.
- Integrated advanced features such as search, filters, and pagination with React and Redux, enhancing data access efficiency for 1,000+ users.
- Documented React module requirements and usage guides, streamlining developer onboarding time by 40%.

Project #2: E-Commerce Application – Sherwin
Role: Front End Developer **| Domain:** E-Commerce **| Technologies:** React.js, Redux, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS

- Built complete UI/UX for web apps with 30+ interactive React screens (Home, Category, Product Detail, Cart, Checkout), ensuring responsiveness and reusability.
- Engineered a real-time clothing customization module with React components, conditional rendering, and optimized state management, boosting user engagement and interaction efficiency by 45%.
- Collaborated with cross-functional teams to align React UI development with business goals, reducing design cycles by 20%.
- Performed UI validation and manual testing across major browsers and devices, ensuring responsive and visually consistent layouts.

Project #3: Farm Tracker
Role: React Developer **| Domain:** AgriTech **| Technologies:** HTML5, CSS, JavaScript (ES6+)**,** React.js, Firebase

- Developed the complete frontend using React.js with intuitive navigation, structured forms, and 10+ responsive screens.
- Utilized Firebase for real-time database and user authentication, minimizing data loss issues by 80%.
- Applied advanced data filtering and conditional displays, improving usability for 30+ users.
- Integrated voice-enabled data input, simplifying form complexity and enabling 20% faster data logging.