

MADHU MUDDALA

FRONTEND DEVELOPER

☎ +91 8431356126 | madhumuddala74@gmail.com | <https://madhu-muddala-portfolio.netlify.app/> | Bengaluru, India

Summary

Frontend Developer with **3.4 years** of experience building scalable, high-performance web applications using **React.js, JavaScript (ES6+), HTML5, CSS3, and Redux**. Proven ability to develop responsive, accessible user interfaces, implement reusable component architectures, and integrate RESTful APIs. Skilled in performance optimization, cross-browser compatibility, and Agile development. Passionate about delivering seamless user experiences in fast-paced environments.

Work Experience

NV Data Systems Private Limited — Bengaluru, India

User Sign-Up & Retail (September 2024 – December 2025)

Technologies: React, JavaScript (ES6+), REST APIs, Tailwind CSS, Material UI, Jira

Role: Frontend Developer

1. User Sign-Up & KYC Onboarding Platform

Key Responsibilities:

- Designed and developed a dynamic, multi-step sign-up flow that adapts in real time based on user-selected country and regulatory requirements.
- Integrated third-party KYC/AML verification APIs (e.g., identity proofing, document validation) to enable secure, compliant user onboarding.
- Implemented real-time input validation, progressive disclosure, and contextual error handling to guide users through complex forms.
- Built responsive, accessible UI components using Tailwind CSS, and Material UI, ensuring consistency across devices.
- Collaborated with Product, Legal, and UX teams to translate international compliance rules into functional frontend logic.
- Documented component APIs, data flows, and validation rules to support cross-team alignment and future maintenance.

Achievements:

- Increased onboarding completion rate by **~22%** post-launch.
- Reduced developer onboarding time by **40%** through reusable component architecture and clear documentation.
- Ensured 100% alignment with GDPR and regional KYC requirements across 30+ supported countries.

2. Retail Money Transfer Experience

Key Responsibilities:

- Developed scalable React components for transaction initiation, currency selection, fee preview, recipient verification, and final confirmation.
- Integrated RESTful backend services to fetch real-time FX rates, validate account balances, and submit transactions securely.
- Implemented robust client-side validation, secure data handling, and user-friendly error recovery mechanisms.

- Added real-time feedback (e.g., loading states, success/error toasts) to improve perceived performance and reduce confusion.
- Optimized API interactions through debouncing, caching, and parallel requests to enhance responsiveness.

Achievements:

- Reduced user drop-off during transfer flow by 18%.
- Achieved 95%+ test coverage for critical transaction components, contributing to zero critical bugs at launch.
- Improved perceived performance in low-bandwidth regions, increasing user trust and repeat usage.

Clover Tool (Nov 2022 – Sep 2024)

Technologies: React, JavaScript (ES6+), REST APIs, Tailwind CSS, Material UI, Jira

Role: Frontend Developer

Key responsibilities

- Developed responsive, accessible single-page applications (SPAs) using React.js, ensuring compliance with WCAG standards and cross-browser compatibility.
- Implemented efficient state management with Redux and Context API to streamline data flow across components.
- Built reusable UI components with Material UI and custom CSS for consistent design and faster development.
- Optimized rendering performance using lazy loading, code splitting, and memoization techniques.
- Integrated RESTful APIs to dynamically fetch and display real-time data, enhancing user interactivity.
- Collaborated in Agile/Scrum teams using Jira; participated in daily stand-ups, sprint planning, and code reviews.

Achievements

- Reduced unnecessary re-renders by 25%, improving application responsiveness.
- Accelerated feature development by 30% through a library of reusable components.
- Reduced production bugs by 20% via automated CI checks and rigorous code reviews.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3
- **Frameworks & Libraries:** React, Redux, Context API
- **Styling:** Tailwind CSS, SCSS, Material UI, Responsive Design
- **APIs & Auth:** RESTful APIs, JWT Authentication
- **Testing:** Jest, React Testing Library
- **Tools:** Git, GitHub, GitLab, VS Code, Chrome Dev-Tools, Jira
- **Methodologies:** Agile, Scrum, CI/CD (GitLab CI)

Education

Bachelor of Science (B.Sc.)

Osmania University, Hyderabad

2018 – 2021 | CGPA: 7.22

Languages

English, Hindi, Telugu, Kannada.