Vamshidhar Reddy Gudupalli

Hyderabad, Telangana, India

📞 +91 8106560624 ✉ vamshidhar.reddy1125@gmail.com 💼 vamshidhar-reddy-gudupalli ⭘ vamshidhar

Summary

Experienced software developer with 2+ years in React.js and TypeScript, delivering scalable web apps for industrial domains. Skilled in responsive UIs, real-time systems, and performance optimization.

Education

SRM University, AP   **July. 2020 – May 2024**
Bachelor of Technology in Computer Science and Engineering - 9.1 CGPA   *Amaravati, Andhra Pradesh*

Experience

Maximl Labs   **July 2024 – Present**
Software Developer   *Bangalore, Karnataka*

- Designed and developed **3 scalable, production-grade web applications** using **React**, tailored for the metals, oil, and gas industries, reducing resource overhead by **30%** and improving system reliability by **25%**.
- Engineered a **low-latency, real-time in-app notification system** for live work order and alert updates using **Novu's headless SDK**, **WebSocket protocols**, and **Redux** for state management, enabling **sub-2-second** delivery of critical events to technicians.
- Implemented a **site selector architecture** using local storage/session storage to enable multi-site industry support; restructured application routing and data flows to reflect the active site across the app.
- Engineered interactive **Kanban dashboards** featuring **infinite scrolling** to streamline the management of **1200+ concurrent work orders**, decreasing average resolution time by 15% and improving resource allocation.
- Integrated **DHTMLX Gantt charts** and **live polling dashboards** to enable real-time visualization of resource utilization and daily work status, enhancing planning accuracy and operational insight.
- Created a hierarchical **Asset Tree UI** to manage over **150,000 assets** with **lazy loading and fuzzy search**, optimizing load times and memory usage.
- Generated **checklist PDFs** summarizing all work order activities using jsPDF and **Handlebars** for dynamic templating, significantly enhancing compliance, audit readiness, and report accessibility.
- Collaborated closely with product and backend teams to maintain **high-quality code**, optimize performance, and ensure **95%+ user satisfaction**, contributing to a **40% bug reduction** post-deployment.

Maximl Labs   **July 2023 – June 2024**
Front End Developer Intern   *Bangalore, Karnataka*

- Developed **reusable UI components** using React.js and Ant Design, significantly reducing implementation time by 75% and ensuring visual consistency.
- Integrated **OpenAI APIs** to build intelligent command processing tools; enhanced user workflows and automated form population.
- Designed a **CodeMirror-based command visualization system** that improved feature comprehension by 60%, supporting **role-based access** and validation using **class-validator**.
- Built file management and chat interfaces with **React Router DOM**, handling over **200+ file formats**, and implemented **PostgreSQL-based CRUD operations** with robust schema design.
- Contributed to **authentication flows**, modularized frontend logic, and improved engagement metrics by 85% through intuitive **UX enhancements**.

Technical Skills

Languages: JavaScript, TypeScript, HTML/CSS, C++, Python, Java
Frameworks/Libraries: React.js, Angular, Tailwind css, Bootstrap, jQuery, Ant design, Redux, RTK Query, Vite, Cypress, Jest, Tanstack Query, Webpack
Developer Tools: VS Code, Google Cloud, Android Studio, Git, CI/CD pipelines, Postman, Supabase, Posthog, Swagger, ESLint, Chrome DevTools, React Developer Tools

Achievements

- Winner of **IdeaMic Encounter** hosted by **BVRIT Hyderabad**, recognized for innovative project presentation.
- **National Talent Search Silver Medalist** awarded by **NCERT** for academic excellence and aptitude.
- **INMO Finalist** in the **Indian National Mathematics Olympiad** conducted by **SOF**, demonstrating strong analytical skills.