SEDAMKARI BHAVANI KUMAR

(FRONTEND DEVELOPER)

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PROFESSIONAL SUMMARY

React.js Frontend Developer with 3+ years of experience designing, developing, and deploying scalable and responsive web applications. Proficient in **React.js, JavaScript (ES6+), TypeScript, Redux, and REST/GraphQL APIs**, with expertise in building secure, high-performance, and user-centric solutions. Skilled in **UI frameworks** (Tailwind CSS, Material UI, Ant Design) and **modern frontend practices** (Core Web Vitals optimization, SEO, Progressive Web Apps, accessibility standards, responsive design, cross-browser compatibility). Experienced in **cloud deployments (AWS, Vercel), CI/CD pipelines (GitHub Actions, Jenkins)**, and collaborating with backend teams to deliver enterprise-grade applications. Adept at Agile/Scrum methodologies, unit testing, debugging, and driving innovation with Generative AI and modern build tools.

TECHNICAL SKILLS

Frontend Development: React.js, React Native, Redux, Context API, React Query, React Router.

Languages & Frameworks: JavaScript (ES6+), TypeScript, HTML5, CSS3, Node.js, Express.js, ColdFusion.

Backend & APIs: RESTful APIs, GraphQL APIs, OAuth, JWT, Express Router, Mongoose, Web Sockets.

Databases: MongoDB, MySQL.

CSS Libraries: Tailwind CSS, Material UI, Ant Design, Framer Motion.

Testing & Quality: Jest, Unit Testing, Test Case Design, UAT Documentation, Code Reviews, Debugging.

Tools & Platforms: Git, GitHub, Postman, npm, Vite, Webpack, Babel, ESLint, SVN, SSH, Vercel.

Cloud & DevOps: AWS CI/CD Pipelines, GitHub Actions, Docker (basic).

Methodologies: Agile, Scrum, SDLC.

WORK EXPERIENCE

Hexaware Technologies | Software Engineer (Frontend Developer)

Chennai, India | July 2022 - Present

- Progressed from Junior to Lead Frontend Developer in **3 years within the Generative AI** team, spearheading innovative projects and collaborating with cross-functional teams to deliver AI-driven solutions.
- Hands-on experience in writing **reusable and efficient code**, managing the lifecycle of components, state management, error handling, and debugging. Proficient in unit testing and actively participated in code reviews.
- Developed key UI/UX features and **optimized frontend performance** through techniques like code splitting, lazy loading, memoization, and **efficient rendering techniques**, enhancing load times and user experience.
- Delivered projects with **tight deadlines** while maintaining code quality, design fidelity, and performance optimization. Embraced new tools and methodologies to stay current and improve outcomes.
- Leveraged **CSS libraries and UI frameworks**, including Framer Motion for animations, Ant Design, and Material UI for scalable and accessible components, enhancing visual appeal and development efficiency.
- Accelerated development cycles by migrating from CRA to **Vite and Tailwind CSS**, reducing build times by 40%, optimizing bundle size with code splitting (lazy and suspense) and improving developer productivity.
- Implemented **modern frontend best practices** including search engine optimization (**SEO**), responsive web design, cross-browser compatibility, and progressive web apps (**PWA**).
- Collaborated with back-end teams to improve REST API integration, optimizing real-time data flow while

securing user authentication with **JWT**. Provided strategic input for **prompt engineering** refinements to improve AI functionality.

PROJECTS

tensaiGPT

- Developed and deployed an internal Generative AI chatbot serving **32,000**+ Hexaware employees, achieving a **95% adoption** rate and handling **1 million queries/month** with a sub-second response time.
- Reduced organizational costs by **40%** by building a cost-effective alternative to commercial solutions such as ChatGPT and Gemini, and successfully deployed the solution to **multiple clients**, customized to their enterprise needs.

International Baccalaureate (IB)

- Enhanced **security and performance** of a school curriculum web application by identifying and fixing critical vulnerabilities, leading to a **30% increase** in overall application efficiency and improved code quality.
- Collaborated with cross-functional teams to maintain and update the application using **ColdFusion, MySQL, JavaScript, and CSS**, ensuring smooth integration and responsiveness. Utilized version control tools such as SVN and secure communication protocols like SSH for efficient code management and deployment. Documented test cases/UAT and production support.

CERTIFICATIONS

- **Postman**- Postman API Fundamentals Student Expert (Postman).
- Certified Advanced React Developer (W3Schools)

EDUCATION

Bachelor of Technology, Computer Science   2018 – 2022

Jaya Prakash Narayan College of Engineering, Mahabubnagar

Intermediate (11th & 12th)   2016 – 2018

Prathibha Junior college, Mahabubnagar