ASRITHA VEMIREDDY

Frontend Developer | React.js | TypeScript | UI/UX | Redux | Performance Optimization

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SUMMARY

Detail-oriented Frontend Developer with 5+ years of experience building scalable, responsive web apps using React.js and TypeScript. Skilled in UI/UX implementation, state management with Redux and Context API, and REST API integration. Demonstrated expertise in testing with Jest and React Testing Library, and optimizing performance through modern build tools like Vite and Webpack. Thrives in collaborative Agile teams, contributing to faster delivery and higher code quality.

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+), TypeScript, Java, Node.js

Frontend Technologies: React (v16+ & 17+), Redux, React Query, React Hooks, Context API, Tailwind CSS, HTML 5, CSS 3

Backend Technologies & Frameworks: Spring Boot, Express.js, Node.js, RESTful APIs, Microservices architecture

Authentication & Security: OAuth 2.0, JWT, AWS Cognito, Azure Active Directory

Databases: MongoDB, PostgreSQL, MySQL

Testing & Quality Assurance: Jest, React Testing Library, Postman, Unit & Integration Testing, Frontend Test Coverage

DevOps & CI/CD: GitHub Actions, Jenkins, Docker, AWS

PROFESSIONAL EXPERIENCE

CDx Diagnostics — New York, USA

Frontend Developer — Jan 2024 – Present

- Spearheaded the development of responsive web application using **React.js** components from **Figma** mockups.
- Engineered scalable state management solutions using **Redux** Toolkit and **Context API**, reducing state-related bugs by 45%.
- Integrated **RESTful APIs** for real-time data interaction, enhancing dashboard load speed and improving user satisfaction.
- Optimized application performance by implementing lazy loading and leveraging **Vite**, decreasing initial load time by 50%.
- Maintained 90%+ unit and integration test coverage with **Jest**, enabling stable and confident production releases.
- Partnered with cross-functional teams in Agile sprints, accelerating product delivery cycles and increasing sprint velocity by 20%.

HCLTech — Bangalore, India

Frontend Developer — Aug 2021 – Jan 2023

- Developed and deployed reusable React and TypeScript components, reducing code duplication by 60% across web modules.
- Transformed static UI designs into pixel-perfect, accessible web pages using Tailwind CSS and HTML5, improving usability scores.
- Led frontend state refactoring using Redux, enhancing data consistency and improving developer onboarding efficiency.
- Improved frontend build efficiency by customizing **Webpack** configurations, cutting build time by 25%.
- Created analytics dashboards using Chart.js to visualize key product metrics, enabling stakeholders to make data-driven decisions in real-time.
- Redesigned navigation architecture using React Router, reducing time-to-interaction for high-traffic pages.
- Conducted frontend code audits and mentoring sessions, improving team-wide adherence to best practices.
- Collaborated closely with designers and QA engineers, reducing UI defects by 50% through proactive reviews and test-driven development.

Temenos — Hyderabad, India

Frontend Developer — May 2020 – July 2021

- Designed and developed **responsive, enterprise-level UI components** for digital banking platforms using JavaScript, React, and Kony Visualizer, supporting 100K+ global users.
- Enhanced **performance and maintainability** by implementing React Hooks, Redux, Context API, and optimization techniques like lazy loading and code splitting, reducing load times by 35%.
- Led migration of legacy codebase from jQuery to React, cutting maintenance overhead and improving application performance
- Ensured **accessibility (WCAG 2.1)** and **internationalization (i18n)** across 10+ global markets, broadening market reach.
- Integrated **secure frontend** with **backend REST APIs** using OAuth 2.0, while maintaining high test coverage (90%+) with Jest and React Testing Library to ensure release stability.
- Collaborated **cross-functionally** in **Agile teams**, contributing to CI/CD pipelines via Jenkins and reducing deployment times by 40%, while aligning feature delivery with product goals.

EDUCATION

Pace University   New York, USA
Master of Science (MS) in Computer Information Systems | GPA: 3.97

Amrita Vishwa Vishyapeetham   Coimbatore, India
Bachelor of Technology in Computer Science Engineering | GPA: 3.5