

SWARNA VARRSINI SUGAVANESHWARAN

Front-End Engineer | React Developer

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Salem, Tamil Nadu, India | [LinkedIn](#) | [Portfolio](#) | [GitHub](#) | [HackerRank](#)

PROFESSIONAL SUMMARY

Innovative Front-End Engineer with over 2 years of expertise in React.js and JavaScript, specializing in building high-performance, responsive web applications. Proven track record of optimizing user interfaces and enhancing web performance. Proficient in modern front-end technologies including Redux, Axios, and Local Storage API for effective state management and data persistence. Experienced in agile methodologies, version control with Git, and implementing comprehensive testing strategies using Jest and React Testing Library. Dedicated to crafting efficient, user-centric solutions that drive business growth and elevate user satisfaction. Skilled in collaborating with cross-functional teams to deliver robust, scalable front-end architectures.

CORE COMPETENCIES

- React.js & React Ecosystems
- Responsive Web Design
- Version Control (Git)
- JavaScript (ES6+)
- RESTful API Integration
- UI/UX Implementation
- Front-End Performance Optimization
- State Management (Redux)
- Front-End Testing

TECHNICAL SKILLS

Front-End: React.js, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, Bootstrap

State Management & Data Persistence: Redux, React Router, Local Storage API

API Integration: Axios, RESTful APIs

Authentication & Backend: Firebase

Testing: Jest, React Testing Library

Version Control & Tools: Git, GitHub, Jira, Agile methodologies

Build Tools: Webpack, Babel

IDEs: VS Code, IntelliJ, Eclipse

PROFESSIONAL EXPERIENCE

Systems Associate, Infosys

(May 2022 - June 2024)

- Developed and optimized React-based user interfaces for BNSF and Walmart, increasing user engagement by 30%
- Implemented performance enhancements using code splitting and lazy loading, reducing load times by 50%
- Integrated front-end components with back-end services, decreasing data inconsistencies by 25%
- Utilized Git for version control and collaboration, reducing code conflicts by 40%
- Increased test coverage by 60% using Jest and React Testing Library
- Achieved 99% error-free deployment rate through comprehensive testing and debugging

KEY PROJECTS

Payroll Processing System - Walmart Inc

- Developed responsive React interface, reducing processing errors by 250/month
- Implemented Redux for state management and Axios for API integration, improving data retrieval speed by 1.3x
- Integrated Firebase Authentication, enhancing security and reducing unauthorized access attempts by 200 annually
- Optimized React components using memoization, significantly improving system responsiveness during peak usage

BNSF Shipment Tracking Enhancements

- Implemented new features including MapView and Save Search, reducing support inquiries by 500/month
- Utilized React Router for improved navigation, cutting page load times by 1.5 seconds
- Optimized performance through code splitting and lazy loading, reducing initial load time by 2.5s and bundle size by 300KB
- Enhanced API integration with Axios, decreasing latency by 150 ms per request

AWARDS & CERTIFICATIONS

- Rise Award - Lead the Way, Infosys Feb 2024
- Microsoft Certified: Azure Fundamentals Jun 2024

EDUCATION

Bachelor's Degree in Computer Science

Paavai Arts And Science College, Namakkal, India

(Jan 2018 - Jan 2021)