

SWARNA VARRSINI S

FRONT-END DEVELOPER | REACT SPECIALIST

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PROFESSIONAL SUMMARY

Front-End Developer with over 2 years of experience in building scalable, user-centric web applications. Specializes in React.js for component-based architecture, Redux for state management, and JavaScript (ES6+) for functional programming. Skilled in performance optimization techniques like lazy loading and memoization, API integration, and responsive design for cross-platform compatibility. Experienced in Agile methodologies and collaboration within cross-functional teams, delivering optimized, accessible, and high-performance user interfaces.

CORE COMPETENCIES

- Front-End Development:** React.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind CSS, Webpack, Babel
- State Management & Routing:** Redux, Context API, React Router
- API Integration & Data Handling:** REST APIs, GraphQL, Axios, WebSockets, Firebase
- Testing & Debugging:** Jest, React Testing Library, Chrome DevTools, Postman
- Performance Optimization:** Code Splitting, Lazy Loading, Memoization, Service Workers
- Collaboration Tools:** Git, GitHub, Bitbucket, Jira, Agile (Scrum, Kanban)

PROFESSIONAL EXPERIENCE

Systems Associate

Infosys — May 2022 to June 2024

- UI Development:** Designed and optimized React-based interfaces for retail and logistics clients, boosting user engagement by 30% through interactive, responsive design.
- Performance Optimization:** Achieved a 50% reduction in page load times by implementing code-splitting, lazy loading, and memoization, leading to increased user retention and smoother performance.
- API Integration:** Integrated front-end components with back-end REST APIs, reducing data inconsistencies by 25% and enabling seamless data flow.
- Cross-Functional Collaboration:** Leveraged Git and Agile methodologies to improve team workflows, reducing code conflicts by 40% and delivering 99% error-free deployments.
- Quality Assurance:** Enhanced test coverage by 60% with Jest and React Testing Library, achieving a 99% success rate in production deployments.

KEY PROJECTS

Payroll Processing System - Walmart Inc:

- Interface Development:** Built reusable, responsive React components, reducing monthly processing errors by 250 through effective data handling and input validation.
- Data Efficiency:** Boosted data retrieval speed by 1.3x by optimizing Redux state management and Axios integration, enhancing application responsiveness and user experience.
- Security Concepts:** Applied foundational knowledge of JWT authentication to understand secure data handling in a production environment.

BNSF Shipment Tracking Enhancements:

- Feature Development:** Created MapView and Save Search functionalities using React and Redux, cutting customer support inquiries by 500 monthly.
- Load Time Optimization:** Reduced page load times by 1.5 seconds through React Router for efficient navigation and optimized API handling, reducing request latency by 150ms.

TECHNICAL SKILLS

- Languages:** JavaScript (ES6+), TypeScript, HTML, CSS
- Frameworks & Libraries:** React.js, Redux, Axios, React Router
- UI & Styling:** Tailwind CSS, Bootstrap, SASS
- API & Testing Tools:** REST APIs, GraphQL, Axios, Firebase, Postman, Jest
- Performance & Optimization:** Webpack, Babel, Lazy Loading, Code Splitting

EDUCATION

Bachelor of Science in Computer Science

Paavai Arts and Science College, Namakkal, India — 2018 - 2021

CERTIFICATIONS

- Azure Fundamentals – Microsoft, June 2024
- React Developer Certification – HackerRank

AWARDS & RECOGNITION

Rise Award - Lead the Way – Infosys, Feb 2024

Recognized for leadership and problem-solving skills, reducing development cycle time by 30% and driving improved coding standards across the team.