

Sonal Malviya

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## Professional Summary

Experienced IT professional with 9.5 years in software development, specializing in front-end development, UI team leadership, and scalable web applications. Proficient in React.js, TypeScript, JavaScript, Redux, HTML5, CSS3, and SharePoint (SPFx). Skilled in designing high-performance web applications using modern frameworks, cloud technologies, and AI-driven solutions. Strong background in problem-solving, system design, and Agile methodologies. Passionate about continuous learning, innovation, and mentorship.

## Technical Skills

### Front-End Development:

Languages & Frameworks: React.js, TypeScript, JavaScript, HTML5, CSS3, AngularJS

State Management: Redux, Context API

UI Libraries: Material-UI, UI Fabric React

Performance Optimization: Lazy Loading, Code Splitting, Memoization, Webpack

Testing: Jest, React Testing Library

### Cloud & Microsoft Technologies:

Platforms: SharePoint (SPFx), Azure DevOps

CI/CD: GitHub Actions, Azure Pipelines

API Integration: RESTful APIs, GraphQL

## Development Tools & Best Practices:

Agile & Scrum methodologies

Webpack, Postman, Swagger

Git, Version Control, Code Reviews

Micro Frontends Architecture

## Professional Experience

Tata Consultancy Services (TCS), Pune

Information Technology Analyst | Nov 2018 – Nov 2023

Project: Tapestry ESI (Enterprise Sensor Integration) – Boeing

Led UI development for a smart middleware solution integrating real-time sensor data.

Developed interactive, map-centric dashboards using React.js, Redux, and Material UI.

Optimized performance by implementing lazy loading and dynamic imports.

Project: Policy Portal – Commonwealth Bank of Australia

Developed a policy management platform using React.js and SharePoint (SPFx).

Integrated secure authentication and role-based access control (RBAC).

Project: Barclays Data Portal (BDP) Barclays

Built scalable web applications using React.js, Jest, and micro frontend architecture.

Enhanced UX by implementing custom hooks and reusable UI components.

The Digital Group

Mobile Application Developer

Project: HRMS (Digital HR Management System)

Developed React Native mobile applications for HR automation.

Project: PulseRx (Doctor-Patient Interaction Platform)

Built Swift-based iOS applications to manage medical data.

Project: Discover Places (Navigation & Location Services)

Designed an iOS application for finding nearby services using GPS.

Education

Bachelor of Engineering (Computer Science) | CIST, Bhopal, India | 74.6%

Certifications & Achievements

Generative AI for Everyone | DeepLearning.AI

Introduction to Generative AI | Google Cloud