

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