

NITISH SURYAN

Software engineer

To secure a challenging React Developer position in a program development environment, aiming to leverage expertise in React, TypeScript, and JavaScript to contribute to the development of innovative and high-performance software applications. Eager to collaborate with a skilled team and contribute to the creation of exceptional user experiences while driving growth and success within the organization.

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PROFESSIONAL SUMMARY

Frontend Developer specializing in **React.js, JavaScript, and TypeScript** with expertise in building scalable **single-page applications (SPA)**, **state management with Redux, and RESTful API integration**. Proven track record in **performance optimization**, **SEO-friendly UI development**, and **migrating legacy codebases** to modern React frameworks. Strong collaborator with experience in **Agile teams, delivering responsive, user-focused interfaces** using clean, maintainable code.

SKILLS

Technical Skills: React.js, JavaScript, TypeScript, Redux, Node.js, Next.js, HTML, CSS, Git, RESTful APIs

Soft Skills: Communication, Collaboration, Creativity, Self-Motivation, Learning Agility, Problem Analysis, Sprint Planning, Cross-Functional Collaboration, Code Quality Assurance

Core Competencies: Front-End Development, Application Performance Optimization, Code Maintainability & Scalability, API Integration & Management, User Interface (UI) Development

WORK EXPERIENCE

Software engineer (Dec 2021 - Present)

Tech Mahindra (Pune , India)

Telecom Domain | React Js, JavaScript, TypeScript, Redux, RESTful APIs, Material UI

Project Overview:

Worked on a unified Service Desk & Fault Monitor platform to streamline telecom incident and alarm management. The system enabled automated ticket generation from alarms, domain-specific filtering, customizable refresh intervals, and alarm data export. Engineers could efficiently track, review, and resolve incidents while reducing manual overhead, ensuring timely escalation, secure workflows, and reliable real-time updates.

- **Designed and engineered responsive React + TypeScript** interfaces for ticket handling and alarm monitoring, improving usability and reducing resolution time by **30%**.
- **Integrated Service Desk with Fault Monitor**, enabling automatic ticket generation when alarms exceeded thresholds, cutting manual ticket creation by **40%**.
- **Devised workflow features** for assigning, escalating, and closing tickets, streamlining incident management **efficiency by 30%**.
- **Implemented domain-specific alarm filtering** and structured UI layouts, improving search efficiency and reducing navigation time by **30%**.
- **Established input validation and error handling** mechanisms, reducing system failures by **25%** and ensuring secure data processing.
- **Applied Redux for consistent state management** across ticket and alarm workflows, achieving **99% reliability** in data consistency.
- **Developed customizable refresh intervals** (e.g., 2 min, 5 min, manual), enhancing flexibility in real-time alarm monitoring.
- **Built Excel export functionality** for alarm data, boosting reporting efficiency by **35%** and enabling offline analysis.
- **Refined API performance** by applying debouncing, lowering redundant requests by **40%** and improving responsiveness.
- **Executed real-time synchronization of tickets and alarms via RESTful APIs**, achieving **99% backend communication reliability**.
- **Optimized system performance** to handle high ticket volumes and frequent alarm updates, enhancing scalability and responsiveness.
- **Authored unit and integration tests** using Jest and React Testing Library, increasing defect detection rate by 35% and improving code quality.
- **Introduced secure frontend authentication** with role-based access control, reducing unauthorized access incidents by **40%** and strengthening overall platform security.
- **Collaborated in Agile ceremonies** (sprint planning, backlog refinement, daily standups), improving cross-team coordination and delivery timelines by 15%.

EDUCATION

Bachelor of Engineering in Electronics & Communication Engineering (Apr 2017 - Jul 2021)

Sant Longowal Institute of Engineering & Technology, Punjab

ACHIEVEMENTS

- Awarded "Best Employee of the Month" at Tech Mahindra, recognizing exceptional performance and contributions.
- Received the "Excellence in Innovation Award" at Tech Mahindra for demonstrating innovative thinking and impactful solutions.