Anchal Singh *Software Engineer*

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Professional Summary

Software Engineer with hands-on experience in building full-stack web applications using React, Node.js, Express.js, and MongoDB. Skilled in designing responsive UIs, integrating RESTful APIs, and implementing state management using Redux. Successfully improved application performance, reduced bugs, and led team-wide code quality initiatives. Proven ability to build scalable backend systems with real-time communication using Firebase and efficient cloud based deployment strategies. Actively seeking opportunities to contribute to dynamic development teams and deliver robust, user-centric solutions.

Technical Skills

Programming Languages: Java, JavaScript (ES6+)
Web Technologies: HTML5, CSS3, Bootstrap, AJAX, jQuery, JSON
Frontend Frameworks: React.js, Redux
Backend Technologies: Node.js, Express.js, RESTful API Integration
Databases: MongoDB, MySQL
Authentication: Firebase Authentication

Professional Experience

Software Engineer Jan 2025 – Present
BlueSprings Innovations Pvt Ltd ,Hyderabad Hyderabad ,India

- Developed an **enterprise-level procurement** and **RFQ management system**, contributing to the migration of a legacy **Java backend** to a **Node.js** architecture by designing and executing a **module-wise** and **API-wise** migration strategy.
- Analyzed **database schemas** and **stored procedures (sp_*)**, mapping each API to corresponding database operations for **RFQ, Quotes,** and **Purchase Order (PO)** modules, improving backend clarity and reducing integration issues by **25%**.
- Integrated **Node.js backend APIs** with a **React frontend**, updating API base URLs, **authentication flows**, and data-fetching mechanisms to ensure smooth and reliable frontend−backend communication.
- Optimized **frontend routing** and **navigation**, ensuring seamless transitions between **list and detail views**, improving overall user experience and navigation reliability by **20%**.
- Applied **Role-Based Access Control (RBAC)** concepts by defining user roles and permissions and documenting production-level **RBAC** implementation guidelines, improving access security and reducing unauthorized access scenarios by **30%**.
- Participated in **peer code reviews**, identifying bugs and contributing to an overall **15−20%** improvement in code quality.

Software Engineer   Jan 2024 – Aug 2024 | Haryana, India

Key Software Services Pvt. Ltd, Haryana

- Led frontend development using **React.js and Redux**, optimizing rendering performance and improving user engagement by **25%** through responsive UI design.
- Engineered global state management using **Redux Toolkit**, reducing state-related bugs by **30%** and improving maintainability.
- Integrated **Firebase Authentication and Firebase Cloud Messaging** to enable real-time data sync and push notifications, improving user retention.
- Optimized **RESTful API integration** using **Node.js and Express.js**, improving client-server response times and real-time sync performance by **20%.**
- Conducted **15+ peer code reviews** and led bi-weekly team knowledge sessions, enhancing code quality and productivity by **20%.**

Projects

Aurum Impex – Procurement Management System

Company Project – BlueSprings Innovations Pvt. Ltd.

- Developed a full-scale enterprise **Procurement Management System** covering **RFQs, Quotes, Purchase Orders, Users, and Projects**, improving overall procurement workflow efficiency by **30%** through modular and scalable design.
- Migrated backend services from **Java-based APIs** to **Node.js + Express**, ensuring feature parity, **database consistency**, and improved backend performance and maintainability by **25%**.
- Integrated frontend and backend APIs for **RFQ In / RFQ Out, Quote In / Quote Out, Purchase Orders,** and **User Authentication**, enabling **end-to-end data flow** and dynamic UI rendering, reducing manual intervention by **35%**.
- Implemented **Role-Based Access Control (RBAC)** using JavaScript by defining **roles, permissions, and access policies**, strengthening application security and reducing unauthorized access scenarios by **30%**.
- Enhanced **UI/UX and navigation flows** across dashboards and management screens by optimizing layouts, fixing routing issues, and implementing **tab-based segregation (Internal vs External RFQs / Quotes)**, improving usability and user experience by **20%**.

Sense of Space App

Company Project – Key Software Services Pvt. Ltd.

- Developed and optimized the application frontend using **React.js**, improving load speed and user interaction by **25%**.
- Implemented **Redux** for scalable state management, reducing UI-related bugs by **30%**.
- **Configured** Firebase Cloud Messaging to deliver real-time push notifications, resulting in higher user engagement.
- Collaborated with backend engineers to integrate **RESTful APIs** and **real-time notification systems** using **Node.js** and **Express.js**, increasing data sync efficiency by **20%**.

Employee Management System

Company Project – Key Software Services Pvt. Ltd.

- Spearheaded frontend development with **React.js**, resulting in a **15%** improvement in user retention through UI responsiveness.
- Connected frontend and backend via **RESTful APIs**, improving data flow and processing speed by **30%**.

- **Implemented** Redux-based centralized state management, improving codebase scalability and reducing app crashes by 25%.

Doctor-Patient Portal (Academic Final Year Project) 🔗
(Final Year Project)
- Designed and implemented a web-based portal supporting **patient registration, appointment scheduling, and multi-role login**, reducing manual patient onboarding time by **40%**.
- Developed and integrated core modules including doctor profile management, patient history, and schedule tracking.
- Led a 4-member team, managed feature integration, and ensured code stability through **JUnit testing** and validation procedures.

Certifications

Oct 2024 – Dec 2024 | Hyderabad

UI Full Stack (MERN Stack) Course *Naresh i Technologies*
- Successfully completed a certified course in **React JS**, covering **state management**, **component lifecycle**, **hooks**, and full-stack application development using the **MERN stack**.

UI Development Internship *Naresh i Technologies*
- Completed a hands-on internship focused on **HTML5**, **CSS3**, **JavaScript**, and **responsive UI design principles** using modern frontend practices and tools.

Education

Master Of Computer Application(MCA)
- COLLEGE OF IT AND MANAGEMENT EDUCATION, BBSR . Completed in 2024 | *Score: **CGPA**: **7.71***

Bachelor Of Science (Computer Science)
- GOVT. WOMEN'S COLLEGE ,KEONJHAR. Completed in 2022 | *Score: **75.54%***

Additional Skills

- **Soft Skills**: Communication, Decision Making, Multi-tasking, Rapid Learning, Adaptability
- **Languages**: English, Hindi, Odia