

Rahul Kumar

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PROFILE

MERN Stack Developer with 3+ years of experience building scalable Single Page Applications (SPAs) and REST APIs using Java, SQL, ReactJS (v17+), Node.js, Express, and MongoDB, with expertise in TypeScript, React Hooks, and RESTful API integration.

EDUCATION

Master of Computer Applications

Aug 2023 - May 2025 | CGPA: 8.06 / 10

Dr. D.Y. Patil Institute of Management & Research, Pimpri
Savitribai Phule Pune University

Bachelor of Computer Applications

Jul 2019 - May 2022 | CGPA: 9.54 / 10

Institute of Management & Entrepreneurship Development, Pune
Bharati Vidyapeeth University

TECHNICAL SKILLS

- **Languages:** TypeScript, Reactjs JavaScript, HTML5, CSS3, Java, Spring boot, Python
- **Frameworks/Libraries:** React (v17+), React Router, Redux/Context API, RxJS, Bootstrap, Tailwind CSS
- **Architecture:** SPA, Component-Based Architecture, Micro-Frontend (Single-spa)
- **Concepts:** Functional & Class Components, React Hooks, Custom Hooks, Protected Routes, Lazy Loading, Code Splitting, Virtual DOM
- **Tools & Version Control:** Git, GitHub, GitLab, Postman, VS Code, Babel, Webpack, ESLint
- **Backend & Databases:** Node.js, Express.js, REST APIs, MySQL, MongoDB

SOFT SKILLS

- **Effective Communication:** Clearly convey technical concepts across cross-functional teams and stakeholders
- **Problem-Solving Mindset:** Proactively identify bugs, bottlenecks, and UI/UX issues with data-driven debugging
- **Team Collaboration:** Thrive in Agile/Scrum teams, contributing to sprint goals, stand-ups, and peer code reviews

CERTIFICATIONS

- **Web Design for Everybody: Basics of Web Development & Coding: University of Michigan**
- **Java Training: IIT Bombay**
- **Linux Training: IIT Bombay**

WORK EXPERIENCE

Amdocs Development Center LLP

Jul 2022 to Jan 2025

Pune, India

- Spearheaded the development of ReactJS-based frontends for **2 major UK telecom platforms** used by **1M+ customers**, reducing page load times by **30%** through component optimization and lazy loading.
- Built a reusable library of **20+ modular React components**, accelerating development cycles and reducing coding redundancy by **25%**.
- Successfully integrated **12+ RESTful APIs** using Java and Express.js to enable real-time backend communication across user dashboards and management portals.
- Automated **6+ repetitive manual tasks** including data syncing and validation, improving development team efficiency by **50%** and reducing human error.

- Boosted UI responsiveness by **40%** by implementing optimized rendering logic with `useEffect`, `useState`, and custom hooks.
- Implemented secure navigation across **15+ dynamic routes** using React Router DOM and custom role-based guards for enhanced access control.
- Engineered a frontend-to-backend email notification system that handled **1,000+ transactional emails per day**, using service-based integration.
- Enhanced user interactivity with **real-time UI updates** using RxJS Observables and WebSockets, reducing alert latency by **70%**.
- Led frontend Git workflows for a **6-member development team**, enforcing version control best practices and reducing merge conflicts by **40%**.
- Executed over **100+ API tests** with Postman and integrated test automation into the CI/CD pipeline for faster QA cycles.

Tech Stack: Java, Android, ReactJS 17+, TypeScript, MYSQL, NoSQL, HTML5, CSS3, RxJS, REST APIs, Git, Postman

ACHIEVEMENTS

- **Reduced load times by 30%** for a high-traffic UK telecom web app used by 1M+ users, by optimizing ReactJS frontends and implementing lazy loading.
- **Cut development time by 25%** by building a library of 20+ reusable React components, enhancing scalability for future Single Page Applications (SPAs).
- **Integrated 12 RESTful APIs** using Java and Express.js, enabling seamless backend-frontend data flow across multiple telecom dashboards.
- **Automated 6 manual operational tasks**, such as data validation and deployment scripts, boosting development team efficiency by 50%.

PERSONAL PROJECTS

1. GetSetBooking – Hotel Booking Platform

Tech Stack: React.js, Node.js, Express.js, MongoDB, Firebase Auth, REST APIs

- Developed a responsive hotel booking application with search, filter, and booking functionality.
- Integrated **Firebase Authentication** for secure admin login and used a **Travel API** to fetch hotel data dynamically.
- Designed RESTful backend endpoints for hotel listings, bookings, and real-time status updates.

2. Smart Canteen Ordering App

Tech Stack: React Native, Vision Camera, Firebase, Node.js

- Built a mobile-first food ordering app that uses QR code scanning for real-time canteen operations.
- Migrated from react-native-camera to react-native-vision-camera for enhanced scanning performance.
- Integrated Firebase Realtime Database for instant order placement, item availability, and feedback tracking.

ADDITIONAL DETAILS

- **Availability:** Immediate Joiner
- **Relocation:** Open to relocation and remote work opportunities
- **Languages:** Fluent in English and Hindi