

Anuj Singh

Senior Full-Stack Engineer

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Professional Summary

Senior Full-Stack Engineer with 8+ years of experience designing and developing scalable web applications and enterprise SaaS products. Strong hands-on experience with React, TypeScript, JavaScript, Node.js, Express, NestJS, FastAPI, PostgreSQL, MongoDB, Redis, RabbitMQ, REST APIs, JWT, SSO, RBAC, Docker, Kubernetes, AWS, and Azure-based environments. Experienced in feature ownership from requirement analysis through frontend development, API design, database modelling, testing, deployment support, monitoring, and production issue resolution.

Core Skills

Frontend	React.js, Next.js, TypeScript, JavaScript ES6+, Redux Toolkit, RTK Query, Context API, React Hooks, Tailwind CSS, Material UI, Storybook, responsive design, accessibility, performance optimisation.
Backend	Node.js, Express.js, NestJS, FastAPI, REST APIs, JWT, refresh tokens, SSO, RBAC, validation, error handling, file uploads, email services, background jobs, modular architecture.
Data	PostgreSQL, MongoDB, Mongoose, TypeORM, Sequelize, Redis, RabbitMQ, database modelling, indexes, query optimisation, transactions, pagination, caching, cache invalidation.
Cloud and Quality	AWS EC2, AWS S3, Azure App Service, Azure Kubernetes Service, Azure API Management, Docker, Kubernetes, CI/CD, GitHub Actions, Jest, React Testing Library, Supertest, ESLint.

Experience

Coforge

Senior Software Engineer | June 2022 - Present | Supply chain, workflow management, enterprise SaaS, onboarding

- Developed and maintained enterprise SaaS applications using React, TypeScript, Node.js, Express, PostgreSQL, MongoDB, Redis, and RabbitMQ.
- Built reusable React components, role-based interfaces, data-heavy tables, dashboards, dynamic forms, and multi-step workflows.
- Implemented JWT, SSO, RBAC, REST APIs, Redis caching, RabbitMQ asynchronous processing, and query optimisation.
- Supported Docker and Kubernetes deployments in AWS and Azure environments, production debugging, code reviews, estimations, and mentoring.

Terminus

Software Engineer / Frontend Engineer | March 2020 - May 2022 | React product development

- Built reusable responsive interfaces with React, TypeScript, JavaScript, HTML, and CSS.
- Created shared UI components, managed state with Redux and React patterns, integrated REST APIs, improved performance, and documented components in Storybook.

FleetRF

Software Engineer | September 2019 - February 2020

- Developed business web application features, reusable interface modules, API-driven screens, validations, forms, responsive layouts, and operational workflows.

MapmyIndia

Software Engineer | January 2017 - August 2019 | Mapping and location-based applications

- Worked on JavaScript, HTML, CSS, and PHP-backed mapping products with markers, routes, search, location data, production fixes, and usability improvements.

Featured Projects

Enterprise Supply Chain and Workflow Platform

Role-based enterprise workflows, approvals, dashboards, data tables, authentication, caching, background processing, database optimisation, and production monitoring.

TurnoverBuddy Hotel CRM SaaS

Hotel operations platform for bookings, rooms, employees, food orders, payments, guest pre-check-in, dashboards, permissions, route protection, and reusable DataGrid workflows.

Unified Transport Management System

Multi-tenant transport platform with bookings, trips, drivers, vehicles, seat locking, attendance, invoices, payments, audit logs, PostgreSQL, Redis, and NestJS.

Kirana Seller App and Admin Services

Retail management platform covering products, categories, inventory, orders, payments, ledger entries, low-stock alerts, image uploads, and secure token flows.

Cricket Match Tracking Platform

Ball-by-ball scoring system with commentary, extras, legal-ball calculation, strike rotation, statistics, ball editing, NestJS, MongoDB, and Clean Architecture.

Gym Management SaaS

Gym operations platform for subscriptions, payments, QR check-in, attendance, classes, invoices, tenant isolation, role-based access, and offline-friendly attendance.

MapLibre and Turf Mapping Utilities

Reusable mapping features for debounced search, markers, route lines, distance calculation, distance matrix, units, and map performance patterns.

Atomic React Component Library

Atomic Design component library with Storybook, variants, accessibility, Jest, React Testing Library, package builds, documentation, and versioning.

Engineering Strengths

Feature ownership, frontend architecture, backend APIs, authentication and permissions, multi-tenant SaaS design, performance optimisation, database tuning, Redis caching, RabbitMQ workflows, Docker and Kubernetes deployments, code reviews, mentoring, production support, and pragmatic use of AI-assisted engineering tools.

Education

Bachelor of Technology in Computer Science and Engineering, Dr. K.N. Modi Institute of Engineering and Technology, Modinagar, 2013 - 2017.