

Nikhil Kumar

Full Stack Developer (MERN) | Noida, India

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Professional Summary

Full-stack developer with 3+ years of hands-on experience building production-grade MERN applications. Comfortable owning features from database schema design to frontend deployment. Have worked across both startup and mid-size product environments, shipping real things that real users depend on.

Skills

Frontend React.js, Next.js, TypeScript, Tailwind CSS

Backend Node.js, Express.js, REST APIs, JWT, OAuth 2.0

Database MongoDB, Aggregation, Indexing, PostgreSQL

DevOps GitHub Actions, Vercel, Docker, Postman

Work Experience

IMTS Institute · May 2024 – Present

Noida, India

Full Stack Developer

- Built and shipped **5+ production-grade CRM features**, including automated lead distribution workflows, role-based assignment systems, and reusable Tailwind component libraries across internal dashboards, reducing feature delivery time by nearly **30%**.
- Developed and maintained **20+ REST API endpoints** with JWT authentication, rate limiting, API versioning, and **Meta (Facebook Ads)** webhook integrations to automate real-time lead ingestion and allocation for **500+ leads/month**.
- Implemented **WhatsApp automation workflows** using **Interakt** for lead follow-ups and onboarding, while also building automated reporting dashboards for campaign and sales analytics, significantly reducing manual operational effort.

JKC Softwares LLP · Mar 2023 – Apr 2024

Remote

Software Developer

- Owned end-to-end delivery of **3 client web applications** – from initial scoping calls to pushing the final build to production for SMB clients.
- Built backend APIs in Express.js with proper input validation and auth middleware; reduced API-related bug tickets by **45%** over the engagement.
- Cut average page load time by **40%** using lazy loading, React.memo, and responsive-first Tailwind layouts – measurable difference on low-bandwidth connections.

Projects

CRM Platform React, Next.js, Node.js, MongoDB, SendGrid, GitHub Actions

- Engineered a **5-role RBAC layer** (Admin, Manager, Counsellor, Agent, Viewer) with JWT-authenticated routes and **query-level data scoping** (own/team/all) — HODs see only their department via cached visibility maps, eliminating cross-team data leaks and cutting reporting back-and-forth by **50%**.
- Built Facebook Lead Ads ingestion with **real-time webhooks + 5-minute polling fallback** and admin-side CSV bulk-upload — source-aware phone/email dedup and auto-distribution pipeline route every lead to the right counsellor on arrival, dropping manual data entry by **70%**. Shipped on Vercel with GitHub Actions running tests, lint, and deploys on every merge to **main**.

SaaS School Management System React, TypeScript, Node.js, MongoDB, Jest

- Built a production multi-tenant School ERP on **PostgreSQL with schema-per-tenant isolation**, shipping **35+ backend modules** across admissions, fee collection, attendance, exams, salary, library and transport; engineered server-side pagination, debounced async-search pickers and Redis caching to keep dropdowns and dashboards responsive on **5,000+ students per school**.
- Implemented **permission-driven RBAC** across 9 user roles (School Admin, Teacher, Accountant, Receptionist, Student, Parent and more) with **JWT + refresh tokens**, **TOTP-based MFA**, CSRF double-submit and per-user session-epoch revocation; **end-to-end TypeScript** (React + Node/Express) with Vitest coverage on critical auth, fees and exam-results flows.

Education

Amity University, Uttar Pradesh

B.Tech, Computer Science & Engineering

CGPA: 8.36 / 10

2020 – 2024

Noida, India