

# MOHAMMED NADHIL K N

+91 8113948278 | mohammednadhilkn@gmail.com | <https://nadhilin.vercel.app/>  
<https://www.linkedin.com/in/mohammed-nadhill-k-n/> | <https://github.com/nadhil7>

## SUMMARY

Full stack developer with 2+ years of coding experience and almost 1 year in professional development. Led, developed and delivered 3+ projects from scratch, handling both frontend and backend with a focus on clean, reliable solutions.

## SKILLS

**Programming:** Javascript, Typescript, Java, C++, C

**Frontend:** React.js, Next.js, Redux Toolkit, Tailwind CSS, Shadcn UI, Framer Motion, Figma

**Backend & API:** Node.js, Express.js, REST APIs, MVC Architecture, JWT

**Databases & Cloud:** MongoDB, PostgreSQL, Prisma ORM, MySQL, Redis, Supabase, AWS (EC2, S3), Nginx, Cloudflare

**Tools & Technologies:** Git, Github, Postman, Stripe, Gemini APIs, Swagger, MCP Server

## PROFESSIONAL EXPERIENCE

### Freelance Software Developer

May - 2025 - Present

- Designed scalable system architecture by splitting services across multiple server instances and using load balancers to optimize traffic distribution, performance, and high availability.
- Gained problem solving skills through consistently practicing pattern printing problems and array manipulation problems.
- Transformed my thinking from a general perspective to a developer-oriented mindset focused on logic, analysis, and efficient problem-solving.
- Prioritized building real-world, production-oriented applications over basic learning projects, strengthening my ability to solve meaningful problems.
- Gained adaptability to emerging technologies by actively integrating new tools and frameworks into project development.

## PROJECTS

### InstaViz | Next.js, Node.js, Mongo DB, TypeScript, MCP, Vercel, AWS(EC2), Supabase, R2, Gemini APIs, JWT

November-2025

- Built an AI-powered data visualization tool capable of transforming CSV data into dynamic charts and accurate insights with **100%** consistency across datasets.
- Used two Gemini models—one dedicated to chart generation and another lightweight model for handling conversational responses—optimizing performance and token usage.
- Implemented an MCP server for CSV data aggregation, cutting redundant Gemini API requests and reducing token usage by **50%**.
- Implemented JWT authentication with access and refresh tokens for secure and scalable user authorization.
- Integrated Google OAuth login, reducing login friction by **60%**, and implemented Stripe payments to enable secure, reliable transactions.
- Built an advanced admin dashboard with real-time analytics, including user active time tracking and device-based login insights (mobile vs. desktop).
- Built a device-level session tracking system that displays all logged-in devices (mobile/laptop) and supports remote logout, improving account security by **70%**.

### XeroCare | Next.js, Node.js, TypeScript, PostgreSQL, Redis, RabbitMQ, R2, JWT, Microservices Architecture

In-Progress

- Architecting a microservices-based ERP + CRM platform for printer industry operations, designed to support **5,000+** concurrent users with **99.9%** uptime.
- Implementing JWT + Refresh Token authentication, RBAC permissions, 2FA, and complete audit logging for secure multi-branch access control.
- Developing CRM and Sales modules including lead management, customer 360°, sales pipeline, quotation builder, and rental/leasing workflows.
- Building Advanced Inventory & Service modules with serial number tracking, multi-location stock, automated purchasing, AMC contracts, and service ticketing with SLA monitoring.
- Engineering the backend with PostgreSQL, Redis, and RabbitMQ, ensuring API response times < **200ms** and scalable real-time workflow processing.

### Letsellr | Next.js, Node.js, TypeScript, Mongo DB, AWS (EC2,S3),Shadcn UI

Live | October-2025

- Built a full-stack property management platform enabling listing, tracking, and management of properties — improving client-contractor communication and operational efficiency.
- Implemented AWS S3 signed URL uploads for image storage, reducing backend payload size by **80%** and improving upload performance by **60%**.
- Delivered the project end-to-end as a freelance assignment — from UI/UX design to backend & infrastructure — demonstrating initiative, ownership, and full-cycle development ability.

## EDUCATION

### siena College Of Professional Studies, Edakochi

Sep-2022 - March-2025

Bachelor of Computer Application

CGPA: 6.00

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