

Kunal Madoliya

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PROFESSIONAL SUMMARY

Software Developer with hands-on experience across **25+ tools and technologies**, including **JavaScript, TypeScript, React.js, Next.js, and Node.js**. Skilled in building production-grade web and AI applications end-to-end using **REST API development, PostgreSQL, Generative AI, Retrieval-Augmented Generation (RAG)**, and authentication systems, with a strong foundation in Data Structures, Algorithms, Object-Oriented Programming, and DBMS.

TECHNICAL SKILLS

- Languages** : JavaScript, TypeScript, SQL
- Frameworks** : Node.js, React.js, Next.js, Express.js, Tailwind CSS
- Libraries/ORMs** : tRPC, Prisma, Drizzle ORM, Zod
- Databases** : PostgreSQL, Supabase, MongoDB, Pinecone (Vector DB)
- AI / GenAI** : OpenAI API, Google Gemini, Vercel AI SDK, RAG, Embeddings, LLM Integration
- Auth & Tools** : Clerk, Better Auth, OAuth 2.0, OIDC, Git, GitHub, Vercel

EXPERIENCE

- Frontend Developer (Freelance)**
Singaway

May 2026 – Jun 2026 (1 Month)
Chandigarh, India
- Developed and shipped **2 production-ready web applications** using **AI-assisted development tools (Lovable)** alongside **React.js and Tailwind CSS**
 - Prototyped and iterated on UI components for both applications, reducing development turnaround time
 - Collaborated with the design and product team to translate mockups into pixel-accurate, cross-browser-compatible interfaces

EDUCATION

- Dr. Akhilesh Das Gupta Institute of Professional Studies**
Bachelor of Technology (B.Tech), Information Technology – Score: 76.60%

New Delhi, India
2023 – 2027 (Expected)

PROJECTS

- ChatGPT Clone – AI Chat Application**

Next.js 16, React 19, TypeScript, Vercel AI SDK, Clerk, Prisma

2026
- Built a full-stack **AI chat application** using **Next.js 16 (App Router), React 19, and TypeScript**, with real-time streaming responses via the **Vercel AI SDK** and OpenAI API
 - Implemented **Clerk** authentication and conversation management across **4 core actions** (create, rename, pin, delete) with auto-generated titles using **Prisma ORM**
 - Designed a responsive UI using **3 frontend libraries** (Tailwind CSS, shadcn/ui, Framer Motion); managed server state with **TanStack Query**
- CopyPenLM – AI Learning Workspace**

Next.js, TypeScript, Express.js, Prisma, PostgreSQL, Pinecone, Google Gemini

2026
- Built a full-stack **AI learning workspace (RAG)** using **Next.js, TypeScript, and Express.js**, with an ingestion pipeline spanning **5 formats** (PDFs, websites, YouTube, text, Markdown)
 - Implemented **RAG** using **Pinecone vector search** and **Prisma ORM** with PostgreSQL for context-aware responses with citations, plus **4 AI-powered study tools** (flashcards, quizzes, summaries, and mind maps)
 - Integrated **4 third-party services** (Google OAuth via **better-auth**, Inngest background jobs, Cloudinary storage, and **Mem0** for persistent AI memory) for a scalable, semantic-search-driven application

CERTIFICATIONS & COMMUNITY

- Certification:** Full Stack Web Development – Chai Code
- Created **20+ YouTube tutorial videos** and authored **40+ technical blogs** on web development and AI, available at kunalmadoliya.me