

Khushal Jain

Full-Stack Engineer · TypeScript · Next.js · Node.js · Automation & AI Systems
+91-9406815530 | khush6569@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Education

Vellore Institute of Technology

B.Tech in Computer Science and Engineering | CGPA: 8.38

Oct 2022 – Present
Bhopal, India

Technical Skills

- **Languages:** TypeScript, JavaScript, Python, SQL, C++
- **Frameworks & Libraries:** Next.js, React, Node.js, Express, tRPC, Drizzle ORM, Socket.IO, Better Auth, TanStack Query, Zustand
- **UI & Animation:** Tailwind CSS, Shadcn UI, Three.js, GSAP, Framer Motion, Chart.js
- **Databases:** PostgreSQL, MongoDB, MySQL
- **AI & Tools:** OpenAI API, Playwright, Stripe, SendGrid, Git, GitHub, EC2

Professional Experience

Vujis

Feb 2026 – Jun 2026
Hyderabad, India

Software Developer

- Developed an AI-augmented company matching pipeline (**Python, OpenAI API, EC2**) linking **1M+** internal records to Dun & Bradstreet via fuzzy scoring, replacing a fully manual enrichment process.
- Created an internal admin UI (**Next.js, PostgreSQL**) enabling human review of AI-generated matches across **1M+** records, with bulk approve/reject, alias slot management, and full-text search.
- Engineered a **Node.js** webhook automation server processing **10,000+** leads/month across **Close CRM**, Stripe, SendGrid, Calendly, and Meta/Google/LinkedIn ad conversion tracking.
- Architected a country-based lead routing algorithm across **8 regional sales buckets** with round-robin, least-loaded distribution, and per-rep throttle constraints, triggering Meta/Google/LinkedIn conversion events on every qualified lead.
- Shipped a **Chrome Extension (MV3)** intercepting DNB.com's search API via dual fetch/XHR override across isolated worlds, auto-piping company search results into Vujis's database and eliminating manual data collection.
- Deployed a **Playwright** scraper harvesting **40,000+** DNB company records/day via **CaptchaAI**-powered Cloudflare bypass and a **100-proxy** rotation pool on EC2.
- Benchmarked **50+** runs across Perplexity sonar-deep-research vs OpenAI gpt-5-mini, cutting AI contact search cost **3.7x** (\$0.605 → \$0.164/run) with no quality regression.

Printonia

Jan 2025 – May 2025
Remote

Full-Stack Developer Intern

- Maintained **5+** client-facing web pages using **React** and **Tailwind CSS**, improving mobile responsiveness and reducing reported UI bugs by **30%**.
- Collaborated in a team of **6–8** using Git workflows and weekly sprint reviews, delivering features on schedule across multiple concurrent client projects.

Key Projects

Meet AI | *Next.js, React, TypeScript, PostgreSQL, OpenAI, Stream SDK, Drizzle ORM* | [GitHub](#) | [Live](#) 2026

- Built a full-stack AI video platform with real-time voice conversations via **OpenAI Realtime API** and **Stream Video SDK**, supporting custom agent creation with per-agent system prompt configuration.
- Automated post-call processing with **Inngest** async workflows – fetching transcripts, generating AI summaries, and persisting results – plus a context-aware chat interface powered by **Stream Chat SDK**.
- Shipped end-to-end type-safe APIs with **tRPC** and **TanStack Query**, OAuth authentication via **Better Auth**, and a session dashboard with meeting history and recording playback.
- Architected **PostgreSQL** schema with **Drizzle ORM** migrations, deployed to production on **Vercel** with environment-scoped configs for auth, AI, and video providers.

ChatSync | *MERN Stack, Socket.IO, JWT, Zustand* | [GitHub](#) 2025

- Engineered real-time bidirectional messaging using **Socket.IO** with room-based architecture, online presence tracking, and sub-second message delivery.
- Implemented a full auth system with **JWT** and **Zustand** state management, REST APIs in **Express.js** for messaging, and file upload support via **Multer**.

Certifications

- Harkirat Singh Web Dev Cohort 2.0 2026
- Sheryians Coding School Frontend Course 2025