

Mihir Jataniya

Full-Stack Developer

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mihir.site

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL

Frontend: React, Next.js, Redux, Zustand, TanStack Query, Tailwind CSS

Backend: Node.js, Express, REST APIs, WebSocket

Databases: MongoDB, PostgreSQL, Redis, Vectors Databases

Infrastructure: Docker, CI/CD, Git, AWS, Cloudflare, CDNs, EC2, Storage Buckets, Logging & Monitoring

AI: RAG, LLM integrations, Transformers, Tokenization, prompt design

EXPERIENCE

MERN Stack Developer

Feb. 2025 – Present

Glitch Over

Ahmedabad, India

- Built a **scalable payment microservice** with full **ACID transaction guarantees** (MongoDB multi-document transactions) handling core **money-movement logic** for a platform serving **5,000+ daily active users**.
- Built a **customer-support chatbot** on a **RAG + LLM pipeline** with **automatic escalation** to human agents, **deflecting 70% of routine queries** while routing complex ones.
- Engineered **real-time systems over WebSockets** for a gig-based platform, including **live queue management and presence**, keeping state synchronized across **1,000+ concurrent users** with **sub-second updates**.
- Cut API **p95 latency by 40%** and **database load** via **Redis caching** for slow-changing data and by replacing raw MongoDB queries with **aggregation pipelines**; redesigned the **slot-booking UI/UX**, reducing booking-confusion failures by **90%**.
- Built **social-profile scraping** and **third-party integrations** on a **queue + message-broker architecture (AWS SQS)** for **reliable asynchronous processing** at scale, plus internal creator tooling: a **Discord event-reporting bot** and **OBS-integrated live streaming overlays** surfacing real-time platform events.
- Designed a **role-based access control (RBAC)** admin panel used across **Finance, Partnerships, Marketing, Operations, and Engineering**, enabling secure permission management and internal workflows.

PROJECTS

MeetNote AI | *MediaSoup, WebRTC, Socket.IO, AWS SQS, Deepgram, Gemini, React, Node.js*

[Live](#) | [GitHub](#)

- Built **full-stack real-time video-conferencing platform** supporting multi-party HD audio/video, live chat, and AI-generated meeting notes; a single SFU node handles **50+ concurrent participant media streams**, scalable to thousands via configurable RTP port ranges.
- Engineered an **async recording → transcription → notes pipeline** decoupled through **AWS SQS**: chunked audio capture → Cloudinary storage → Deepgram transcription → LLM notes, processed on a separate worker so meetings stay non-blocking and **survive server restarts with zero job loss**.
- Designed a **dual-LLM fallback chain** (Gemini → Groq/Llama) with retry + 15s backoff on 429/503 errors, delivering **100% note-generation uptime** even when the primary provider rate-limits; notes exported to PDF.
- Implemented **JWT + Google OAuth auth**, host-approval meeting lobby, recurring/scheduled meetings with ICS calendar export, and **PWA web-push notifications** (service worker + VAPID) for sub-second meeting alerts.
- Deployed to **AWS EC2** behind nginx/TLS with PM2, shipping **CI/CD via GitHub Actions + OIDC** (keyless IAM, zero stored credentials, SSH closed) that auto-deploys on push to main in **under 2 minutes**.

HelioKit | *React 19, TypeScript, Tailwind v4, Framer Motion, Node CLI, Vite SSG*

[Live](#) | [npm](#) | [GitHub](#)

- Published **heliokit** on npm — a **zero-runtime-dependency** library where `npx heliokit add <name>` copies plain `.tsx` source into the user's repo, so consumers **own the code** with no version lock-in or bundle cost.
- Built a **5-command Commander CLI** that **auto-detects Vite vs. Next.js**, wires Tailwind v4 by **patching build configs in place**, caches install paths in `.heliokitrc`, and resolves **templates to their transitive component deps**.
- Shipped **25+ animated components & multi page templates** on one theme-token system (light/dark), with a **vite-react-ssg pre-rendered** docs site, per-route HTML, OG/sitemap SEO, code-split doc payloads, and `?raw` imports so **docs never drift** from source.

EDUCATION

Mangalore Institute of Technology & Engineering

B.E. in Computer Science

Mangalore, India

2021 – 2025