

Jiten Mohanty

Bhubaneswar, India | +91-8637246237 | jitenmohantyaz@gmail.com
linkedin.com/in/jiten-mohanty | github.com/Jitenmohanty | jitenmohanty.in

Professional Summary

Full Stack Developer with production experience building scalable web platforms using **PERN**, **MERN**, and **Next.js** stacks. Specialized in **SQL query optimization**, **BI dashboard development** (Metabase, Grafana), containerized microservices with **Docker**, and secure enterprise authentication. Delivered measurable gains on AI-driven platforms serving **enterprise FMCG clients including PepsiCo**.

Technical Skills

Languages: JavaScript, TypeScript, HTML5, CSS3, SQL (PostgreSQL)
Frontend: React.js, Next.js, Redux Toolkit, Zustand, Tailwind CSS, Bootstrap
Backend: Node.js, Express.js, REST APIs, FastAPI, Nest Js, Socket.io, WebRTC
Database: PostgreSQL, MongoDB, Drizzle ORM, Mongoose
DevOps & Cloud: AWS (S3, SES, EC2), Docker, Docker Compose, Redis, BullMQ, Grafana, Metabase, Git, Linux
Tools & Frameworks: JWT, Zod, NextAuth, Stripe, Gemini API, Inngest, pgvector, Postman

Work Experience

Full Stack Developer Jul 2025 – Present
ShelfEx (Enterprise clients: PepsiCo) Gurgaon, Haryana

- Built core backend modules for **ShelfScan**, an AI-powered retail recognition platform serving **100K+ users** across **1M+ stores**, processing **100K+ daily image recognitions** with 95% accuracy.
- Reduced server **CPU utilization from 90% to 2%** through deep **SQL query optimization** – analyzing execution plans, adding strategic indexes, restructuring complex joins, and tuning **database connection pooling**; peak query latency now under 2s.
- Optimized the **image recognition pipeline from 30s to 10s** using **Worker Threads** and algorithmic code improvements.
- Containerized microservices with **Docker** and built **BullMQ + Redis** job pipelines handling 10k+ daily tasks, including transactional email delivery via **AWS SES**; improved page performance with **Next.js SSR/ISR** and **Node.js Streams** for bulk data.
- Built **client-facing analytics dashboards** in **Metabase** for enterprise stakeholders (PepsiCo) – surfacing store-level recognition metrics, accuracy trends, and **business insights** that drive operational decisions.
- Set up production observability with **Grafana** dashboards monitoring query latency, CPU utilization, and job throughput in real time – enabling proactive incident response.

Full Stack Web Developer Jun 2024 – Jun 2025
Daya Consultancy Services Bhubaneswar, Odisha

- Built a **PERN**-based CRM with real-time dashboards, lead management, and secure **RBAC + JWT** auth with HTTP-only cookie sessions.
- Managed a multi-container **Docker Compose** setup (Node.js, PostgreSQL, Redis) with CI/CD on **AWS EC2**.
- Created a social media automation system with **OAuth 2.0** using Google, Facebook Graph, and X APIs.
- Cut REST API latency by **25%** through **query tuning**, DB indexing, and **Redis** caching.

Projects

AI Money Manager | *Next.js, Supabase, Prisma, Gemini API* [GitHub](#) | [Live Demo](#)

- Full-stack AI budgeting platform with automated serverless workflows via **Inngest**, secured with **Clerk** auth and **Arcjet** rate limiting.

AgentHub | *Next.js, Gemini Live API, Claude API, Prisma, pgvector, Stripe* [GitHub](#) | [Live Demo](#)

- Built a SaaS platform where businesses create AI voice agents trained on their own data (menus, FAQs, inventory) and embed them as a widget — callers talk via **Gemini Live WebSocket**, and leads are analyzed by **Claude Sonnet 4** and delivered in real time.
- Implemented **RAG** with **pgvector** (768d embeddings), **Stripe** billing with quota enforcement, **Inngest** durable background jobs, **HMAC-SHA256** signed webhooks, and **LangSmith** observability tracing.

Education

Biju Patnaik University Rourkela, India
Master of Computer Applications (MCA) | **CGPA: 8.89** *Graduated: 2022*
Utkal University Bhubaneswar, India
B.Sc. Mathematics | **CGPA: 7.04** *Graduated: 2019*