Syed Shaaz Akhtar

Full Stack and AI Engineer | Next.js, NestJS, Generative AI

Delhi NCR, India | +91 9296913668 | shaazakhtar12@gmail.com
github.com/Shaaz383 | linkedin.com/in/syed-shaaz-akhtar-40751a194 | syedshaazakhtar.in

PROFESSIONAL SUMMARY

Full Stack and AI Engineer with 4.5+ years of experience building production web products and Generative AI systems. Strong in Next.js, NestJS, PostgreSQL, RAG pipelines, and multi-agent systems using LLaMA 3.3 70B. Has shipped multi-tenant SaaS products with payments, real-time features, and cloud deployment. Open to relocation to the UAE and Gulf region.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, SQL
Generative AI	LangChain.js, LLaMA 3.3 70B (Groq), OpenAI API, RAG, Embeddings, pgvector, Prompt Engineering, Multi-Agent Orchestration
Backend	Node.js, NestJS, Express.js, REST APIs, GraphQL, Socket.io, BullMQ, Microservices
Frontend	Next.js, React, Tailwind CSS, Shadcn UI, TanStack Query, Zustand, React Hook Form, Zod, Recharts
Databases	PostgreSQL, Supabase (RLS), Redis, MongoDB, Prisma, Drizzle
Payments and Auth	Stripe, Razorpay, Webhooks, Subscription Billing, JWT, Supabase Auth, RBAC
DevOps and Tools	Docker, Docker Compose, Git, GitHub Actions, CI/CD, Turborepo, pnpm, Vercel, Railway
Core Concepts	Multi-Tenant SaaS Architecture, System Design, Authentication and Authorization, Event-Driven Architecture, Real-Time Systems, Integration Testing

PROFESSIONAL EXPERIENCE

AI Engineer and Full Stack Developer (Freelance) | WebOrbitGaya, Gaya, India — Apr 2026 - Present

- Built two multi-tenant SaaS products, AI Restaurant OS and AI School OS, covering authentication, payments, real-time features, and deployment.
- Designed LLM agents and RAG pipelines using LangChain.js, pgvector, and LLaMA 3.3 70B.
- Delivered full-stack web solutions for clients using Next.js, NestJS, and PostgreSQL.

Full Stack Developer | YaStudy (Study Abroad Consultancy), Noida, India — Sep 2023 - Mar 2026

- Built an admissions CRM with Next.js, NestJS, and PostgreSQL, using JWT authentication and role-based access across 3 role tiers.
- Created a Kanban pipeline that manages 500+ student records and reduced counsellor response time by about 40%.
- Integrated Razorpay billing with webhook-based reconciliation and Redis usage tracking for one-time and recurring payments.
- Improved Core Web Vitals through Redis caching, code-splitting, and CDN optimization, keeping API responses under 200ms during peak admissions traffic.
- Owned the company website and web platform: shipped new features and fixed production issues.

Frontend Developer | Pixelflame Software Pvt. Ltd., Gaya, India — Aug 2021 - May 2023

- Delivered 50+ production web applications (e-commerce, booking, portfolio) using React.js, Next.js, and Tailwind CSS.
- Integrated Razorpay and Stripe checkout, handling order lifecycle, refunds, and webhook-based payment confirmation.
- Built responsive UI components and consistently achieved 90+ Lighthouse performance scores.

PROJECTS

AI Restaurant OS | Multi-Tenant Restaurant Management SaaS

Tech: Next.js, React, NestJS, PostgreSQL, Prisma, Supabase, Redis, BullMQ, Socket.io, Stripe, Razorpay, LangChain.js, pgvector, Docker, Turborepo

- Built a multi-tenant SaaS where restaurants take online orders, collect payments, and run the kitchen in real time, with per-schema tenant isolation.
- Integrated Stripe and Razorpay with webhook-verified order confirmation and tiered subscription billing with Redis usage limits.
- Built a real-time Kitchen Display System with Socket.io that streams live order status (received, preparing, ready).
- Implemented Supabase Auth with role-based access control for owners, managers, kitchen staff, and customers.
- Developed multilingual AI agents (LLaMA 3.3 70B, RAG) for Hindi, English, and Hinglish ordering, demand prediction, and campaign generation, routed by an LLM intent classifier.
- Shipped an analytics dashboard and Docker Compose deployment with automated migrations and integration tests.

AI School OS | Multi-Tenant School Management SaaS

Tech: Next.js, NestJS, PostgreSQL, Supabase, LangChain.js, pgvector, LLaMA 3.3 70B, BullMQ, Redis, Razorpay

- Built a multi-tenant SaaS with strict per-school data isolation using Row-Level Security.
- Built an AI Tutor with RAG: school documents are chunked, embedded, stored in pgvector, and retrieved by cosine similarity so answers stay grounded in the school's own material.
- Designed a multi-agent system with an Auto-Attendance WhatsApp Agent, a Voice Mock Test Agent, and an AI Timetable Generator.
- Implemented per-school subscription billing with Razorpay and webhook verification.
- Built event-driven services with BullMQ and Redis, designed for sub-200ms API responses at scale.

EDUCATION

Master of Computer Applications (ML and AI) 2026 - 2028 (Pursuing)

Lovely Professional University (Online)

Bachelor of Science, Information Technology 2017 - 2020

Magadh University