

SHEIKH SHIHAB HOSSAIN

Full-Stack Developer | SaaS, Integrations & Automation

+8801954114410 | shihabhossainii20@gmail.com | [Portfolio](#) | [GitHub](#)

SUMMARY

Full-Stack Engineer with 2+ years of professional experience building and maintaining production SaaS applications using React, Next.js, TypeScript, Node.js, Django, PostgreSQL, and REST APIs. Experienced in developing multi-tenant systems, CRM platforms, workflow automation, real-time features, third-party integrations, and scalable backend services. Strong understanding of end-to-end product development, from frontend architecture and API design to database modeling and deployment, with additional hands-on experience integrating AI and LLM-powered features into production applications.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL.

Frontend: Next.js, React, TailwindCSS, Shadcn UI, Framer Motion.

Backend & APIs: Node.js, Express.js, Fastify, Nest.js, Django, FastAPI, REST APIs

Databases: PostgreSQL, MySQL, MongoDB, Supabase, Firebase, Neon, Convex.

AI / Automation: OpenAI, Anthropic, Gemini, AI Agents, MCP, RAG, Vector Search, LLM Evaluation, n8n, Ollama.

Infrastructure & Tools: Docker, Linux, Git, GitHub, Vercel, Netlify, Postman, Linear, Jira, Storybook.

WORK EXPERIENCE

Full-Stack Engineer - Sharetasking Inc. | Aug 2025 – Present

- Developed core CRM functionality for SiloCRM, including customer/contact management, sales pipelines, deals, activities, and other foundational business workflows.
- Built and maintained features across the multi-tenant SaaS platform, working across frontend, backend APIs, database-driven workflows, and real-time application functionality.
- Built SiloCRM's workflow automation engine with a visual drag-and-drop builder supporting 33 triggers, 20+ actions, and conditional IF/ELSE branching for business process automation.
- Developed AI-powered agents for inbound/outbound calls, SMS, and email, integrating LLM workflows with CRM data and third-party services.
- Integrated Twilio-powered communication infrastructure, including in-app calling and conference calling capabilities.
- Implemented Model Context Protocol (MCP) integrations connecting AI agents with CRM data, internal tools, and third-party services.
- Developed an in-CRM website builder and additional no-code functionality for business users.

Software Engineer — Ternary Solutions Inc. | Aug 2024 – Jul 2025

- Developed and maintained a multi-tenant SaaS platform using Next.js, React, Django, PostgreSQL, and REST APIs.
- Built reusable frontend components and backend services supporting core platform workflows and real-time features.
- Implemented role-based access control (RBAC) and backend API integrations across multi-tenant environments.
- Collaborated with product and design teams to deliver production features with a focus on maintainability, responsiveness, and usability.
- Contributed across multiple SaaS products, adapting quickly to different business requirements and technical architectures.

PROJECTS

Zaxvio CRM - HVAC Field Service Management SaaS - *in progress*

[Github](#) | [Live Demo](#)

- Multi-tenant SaaS for solo HVAC contractors (1-3 person teams), replacing phone and paper workflows with digital scheduling, invoicing, and customer management.
- Architected as a Turborepo + pnpm monorepo: Next.js 14 (App Router) frontend, Fastify REST API, Supabase (PostgreSQL) with Drizzle ORM.

- Integrated Better Auth (org/admin plugins), Lemon Squeezy billing, Mapbox GL JS for scheduling/routing, PDF invoice generation, and Supabase Realtime.
- Built automated workflow logic in n8n to connect business events across the platform, similar in design to the automation engine built for SiloCRM.

EvalLab - LLM Evaluation Platform

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

- Built an LLM evaluation platform for systematically testing and comparing agent/prompt performance using test sets and an LLM-as-judge.
- Implemented automated scoring across accuracy, completeness, tone, and safety, with run-to-run comparisons to identify regressions and improvements.
- Added failure clustering, judge calibration using Cohen's κ and confusion matrices, and per-run token/cost tracking for evaluation and optimization.
- Built the platform with Next.js, TypeScript, FastAPI, Python, SQLAlchemy, PostgreSQL, and Groq/Llama 3.3 70B.

Omnicores - Multi-Tenant Restaurant Management SaaS - *in progress*

[Github](#)

- Built a multi-tenant SaaS for restaurant management with Django, Next.js, and PostgreSQL, including a POS system, menu/category management, and waiter assignment.
- Implemented secure JWT authentication and a modular, RESTful Django backend.

EDUCATION

Bachelor of Science in Computer Science and Engineering

Northern University of Business and Technology, Khulna | Aug 2019 – Dec 2023 | CGPA: 3.50

Relevant Coursework: Data Structures & Algorithms, Machine Learning, Neural Networks, Artificial Intelligence, Database & File Structures, Operating Systems, Software Engineering Fundamentals.