SOUVIK HAZRA

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Professional Summary

Software Engineer with 2+ years of combined development experience working with TypeScript, Node.js, Bun, NestJS, React/Next.js, MongoDB, and PostgreSQL. I own production features end to end, from API design and data modeling through security, deployment, and observability. My work spans payment systems, SaaS products, and AI/LLM applications using RAG and agentic workflows.

Skills

Languages	JavaScript, TypeScript
Frontend	React, Next.js
Backend	Node.js, NestJS, Hono, REST, GraphQL, tRPC
Data/Infra/AI	PostgreSQL, MongoDB, Redis, Typesense, Docker, AWS, CI/CD, LLMs, RAG, AI Agents

Experience

Software Developer at PRODIOS LABS **May 2025 – Present**

- Owned UCC workflows across citizen, officer, and Super Admin journeys, making feature and workflow decisions, designing APIs, and taking the work through production for Offline Forms, clarification, document verification, and admin controls.
- Built the UCC Offline Form workflow with AES-GCM encryption for sensitive identifiers and DigiLocker integration for document verification. Redesigned the UCC clarification workflow for officers and citizens, fixing workflow issues and making status changes easier to understand.
- Built Mosje, an internal data analytics tool, handling the API design, data aggregation, visualizations, and Super Admin workflow from the start.
- Built and shipped several Tealfeed features, including booking cutoffs for personal and group events, automatic notifications for recurring-event booking extensions, and admin-side payment marking for sessions paid offline. Also fixed production bugs across the platform.

Futuristic PC – Freelance Software Developer **Feb 2026 - Present**

- Designed the database schema and built the backend API for a live e-commerce platform, covering products, orders, payments, user accounts, and admin operations.
- Built the authentication system with separate public and private routes, along with an admin panel for managing products, orders, and store operations.
- Built the PC Builder end to end, covering both backend and frontend, with real-time component compatibility checks and live price tracking across 500+ components.
- Built the product browsing and checkout workflows, including filters for categories, brands, and specifications, the payment and order lifecycle, and notifications for order and account updates.
- Deployed and maintain the application in production using Docker on Hostinger KVM, with Grafana, Alloy, and Loki for monitoring and logs. Set up GitHub Actions CI/CD for formatting, linting, type-checking, builds, and deployment, and handle SEO, performance, debugging, and ongoing maintenance.

Software Developer Intern at EDVIRON **Jan 2025 – Apr 2025**

- Developed and integrated unified payment microservices supporting Razorpay, Cashfree, Easebuzz, PayU, and HDFC – contributing to a system processing 60,000+ transactions monthly with a volume of Rs. 25–30 Cr.
- Implemented fault-tolerant transaction patterns including idempotency, SQS-based async queues, and exponential backoff retries – contributing to 99.9% uptime, p95 API latency under 300ms, and end-to-end payment confirmation under 2 seconds.
- Increased unit test coverage from 0.5% to 80% using Jest – reducing production incidents by 30% and improving release confidence.

Fullstack Teaching Assistant at Coding Ninjas **Jan 2024 – Present**

Full-time (Jan 2024 – Dec 2024) → Part-time (Jan 2025 – Present)

- Resolved 4,000+ verified doubts across backend and full-stack development, providing debugging, architecture guidance, and code reviews.

Projects

ChatForge – AI Chatbot Builder **1st Prize – Office Hackathon (2026)**

- Built a multi-tenant AI chatbot platform supporting configurable agents, system prompts, FAQs, documents, tools, and branded chat widgets.
- Developed streaming AI chat with agentic RAG, PostgreSQL/pgvector, and tool calling for document-based knowledge retrieval.
- Built a modular tool-calling system using Vercel AI SDK, defining extensible agent tools for external actions, and developed an embeddable chat widget using a lightweight loader and isolated iframe architecture.

Education

B.Tech – Electrical Engineering Dream Institute of Technology (2022)