

# Sumit Debnath

Software Developer | Serampore, Hooghly, WB

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## PROFESSIONAL SUMMARY

Software Developer with 3.5+ years of experience building scalable web applications and APIs using Node.js, NestJS, TypeScript, MongoDB, and PostgreSQL. Experienced in payment systems, real-time communication, and performance optimization. Proven ability to work on live production systems, collaborate across teams, and deliver reliable, secure backend solutions.

## TECHNICAL SKILLS

- Languages & Frameworks:** Node.js, Express.js, Nest.js, TypeScript, JavaScript, Laravel, GraphQL, HTML, CSS, React
- Databases:** MongoDB, PostgreSQL, Redis
- Tools & Platforms:** Git, GitLab, Docker, Linux, Jira
- Specialties:** REST & GraphQL APIs, Stripe Payments & Subscriptions, Authentication & Authorization (JWT, RBAC), WebSockets, Third-Party API Integration, Performance Optimization

## WORK EXPERIENCE

### Webskitters Technology Solutions PVT LTD

Software Developer

November, 2023 - Present

Kolkata, India

- Designed and implemented REST and GraphQL APIs using Node.js, NestJS, TypeScript, and MongoDB across job, e-commerce, event, and construction management platforms.
- Architected async job processing pipelines using BullMQ and Redis for background task execution – including transactional email delivery and PDF report generation – decoupling I/O-heavy workloads from the request lifecycle.
- Implemented JWT-based authentication with Redis-backed access token blacklisting for immediate revocation, and role-based authorization (RBAC) across production applications.
- Integrated Stripe payment and subscription flows, including checkout sessions, webhooks, and plan lifecycle management, with usage-limit enforcement implemented at the API layer.
- Built real-time systems using WebSockets (Socket.io) for live chat, with Redis pub/sub enabling multi-instance message broadcasting.
- Optimized MongoDB queries, indexes, and aggregation pipelines, reducing unnecessary data fetching and improving API response times.

### Vyrazu Labs PVT LTD

Associate Developer

April, 2022 - November, 2023

Kolkata, India

- Developed and maintained an Insurance CRM system using Laravel, improving agent productivity and customer data management.
- Developed a Task Management System with Kanban-style workflows, supporting project and task tracking using Laravel and Vue.js.
- Contributed to an HRM platform, automating internal HR operations and reducing manual workflows.

## PROJECTS

- AI Chatbot Platform – AI Chatbot Platform – Built a full-stack AI chatbot using NestJS, React, MongoDB, and multiple LLM providers (Groq, Gemini, Hugging Face) via the Strategy pattern. Implemented SSE-based streaming with a custom auth guard, GitHub OAuth2, Redis-backed token blacklisting, and rate limiting. Added PDF/TXT file upload with text extraction for document-aware conversations, and Stripe subscription tiers with usage enforcement at the streaming layer.
  - [GitHub \(Backend\)](#) | [GitHub \(Frontend\)](#)
- Real-Time Collaborative App – Developing a full-stack collaborative document editing application with real-time updates using WebSockets. Implemented authentication and multi-user collaboration via invite-based access control.
  - [GitHub \(Backend\)](#) | [GitHub \(Frontend\)](#)

## EDUCATION

West Bengal Survey Institute, WBSCTVESD

Diploma in Civil Engineering (CGPA: 8.1)

2015 - 2018

Bandel, West Bengal