

Hasibul Islam

Senior Full-Stack Engineer | Senior Backend Architect

devhasibulislam@gmail.com | linkedin.com/in/devhasibulislam | github.com/devhasibulislam

+8801906315901 | devhasibulislam.vercel.app | Dhaka, Bangladesh

Professional Summary

Senior Full-Stack Engineer with 7+ years building production backend systems in Node.js, NestJS, and TypeScript across real estate, messaging, CRM, and e-commerce platforms. Cut a hot-path API's p95 latency from 200ms to 20ms through compound indexing, query rewrites, and cache-aside design. Own delivery end to end: schema, API, background workers, AWS/Docker infrastructure, CI/CD, and observability. Currently integrating LLM and RAG capabilities into production systems, not demo code.

Technical Skills

- **Languages:** TypeScript, JavaScript (ES6+), Python, SQL
- **Backend:** NestJS (microservices, CQRS, guards, interceptors), Express, REST, GraphQL (Apollo Federation), WebSockets, Socket.io
- **Databases:** PostgreSQL (Row-Level Security), MongoDB, Redis, PGVector, TypeORM, Prisma, MySQL, SQLite, CockroachDB
- **Messaging/Async:** Kafka, RabbitMQ, BullMQ, event-driven architecture, retry/DLQ patterns
- **Cloud/DevOps:** AWS (EC2, S3, Lambda), Docker, GitHub Actions, Nginx
- **AI/LLM:** OpenAI, Anthropic Claude, LangChain, RAG pipelines, vector embeddings, MCP servers, function calling
- **Frontend:** React.js, Next.js, Redux Toolkit, Tailwind
- **Testing:** Jest, Supertest, autocannon, k6
- **Security:** JWT, OAuth, RBAC, GDPR/CCPA compliance

Professional Experience

ZMC Technologies Ltd. - Banani, Dhaka (On-Site) | [Website](#)

Sr. Backend Architect | March 2026 - Present

Sr. Software Engineer (Backend) | September 2025 - March 2026

- Own backend architecture across a three-product SaaS portfolio: real estate ERP, property CRM, and PropTech trading platform
- Cut hot-path list API p95 from 200ms to 20ms via compound indexing, single-join query rewrites, Redis cache-aside, and DTO projection ([case study](#))
- Standardized multi-tenant isolation using PostgreSQL Row-Level Security, moving tenant boundaries from application code to the database layer ([reference implementation](#))
- Built pgvector-backed semantic search for internal tooling using OpenAI and Anthropic Claude via RAG
- Architected NestJS microservices over Kafka and RabbitMQ; introduced BullMQ for async workloads with per-tenant queue isolation
- Own the full deployment pipeline: VPS staging, cloud production, GitHub Actions CI/CD, and observability from application to infrastructure
- Shipped [webcrawler.buzz](#), a public SEO audit tool used for both client scoping and external users
- Promoted to Sr. Backend Architect after 6 months based on architectural ownership and delivery

Zubion Group - Dhanmondi, Dhaka (Hybrid | Contract) | [Website](#)

Full-Stack Delivery Lead | September 2024 - July 2025

- Led end-to-end delivery of the client's full product stack: marketing site, CRM, and cross-platform mobile app (Next.js, NestJS, Apollo GraphQL, Prisma)
- Designed the CRM now used as the primary system for Facebook lead management across the client's properties; every inbound Meta lead routes through it
- Built centralized multi-channel communication (email, SMS, chat) with real-time sync and automated agent notifications
- Deployed on AWS with Docker; integrated SSLCommerz payments and broker-performance analytics dashboards

WeWise & WiseLead - Tel Aviv, Israel (Remote) | [Website](#)

Backend Lead / April 2024 – September 2024

- Led backend for a WhatsApp marketing and lead-automation CRM: bulk/scheduled messaging, CSV import/export, multi-account management, audience segmentation
- Built on Node.js, Express, MongoDB, Twilio, and Redis; validated with 90+ pilot businesses during development
- Implemented JWT auth, RBAC, real-time delivery tracking via Socket.io, and WhatsApp API rate-limit compliance
- Product-reported outcomes: 26+ hours saved per business monthly on unqualified-lead calls, ~28% lift in follow-up conversion

MessageMind - Via Duzazzo, Italy (Remote) | [Website](#)

Sr. Backend Engineer / March 2023 – February 2024

- Built backend for a unified messaging pipeline spanning WhatsApp, Messenger, Instagram, and web chat (Next.js, NestJS, PostgreSQL, Prisma, Redis, Stripe), now serving 5,000+ companies as a Meta Business Partner
- Scaled real-time messaging across NestJS microservices with Kafka-style pub/sub and BullMQ workers, with dead-letter and retry handling to prevent message loss during downstream outages
- Integrated OpenAI and DeepSeek for AI-driven auto-replies and workflow automation
- Enforced end-to-end encryption, RBAC, and GDPR/CCPA controls

Prokken Inc. - Dhaka, Bangladesh (Remote)

Founder & Principal Engineer / June 2021 – October 2025

- Founded and ran a dev agency delivering full-stack SaaS to international clients; managed a paid team on frontend, mobile, and QA while owning backend architecture and delivery
- Designed and solo-engineered two SaaS products under NDA; both acquired by US companies in 2025 (NDA-covered; documentation available on request)
- Delivered contract engagements for [PTCL Group](#) (WhatsApp Business automation, Pakistan's largest telecom), [NadlanOne](#) (real-estate operations backend, Israel), and [Ithra](#) (content and cultural program platform, King Abdulaziz Center for World Culture, Saudi Arabia)

Education

M.Sc. Computer Science - Jahangirnagar University, Dhaka (2025)

Languages

- Bengali (native)
- English (professional)
- Hindi (conversational)
- Hebrew (conversational)
- Arabic (conversational)