Tanzim Hossain

Backend Engineer | TypeScript · Java · System Design

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/ PROFESSIONAL SUMMARY

Backend Engineer focused on multi-tenant SaaS systems using TypeScript (Node.js) and Java (Spring Boot). I care about clean data models, concurrency-safe booking/scheduling logic, and REST API design that holds up in production.

/ EXPERIENCE

Jun 2025 — Present
Full-time
Remote

Backend Engineer & Mentor · Softsasi

- Designed backend services, API contracts, and PostgreSQL data models
- Built modular REST APIs with clear domain boundaries
- Contributed to architecture reviews and design decisions
- Mentored developers through code reviews and engineering guidance

/ SELECTED PROJECTS

2025
Active

Salon Management SaaS · Multi-tenant SaaS Platform

Multi-tenant salon booking platform, built solo end-to-end. 27 domain modules across 110+ tables. Booking writes are protected by a pessimistic row lock plus a partial unique index as a hard backstop; a separate Redis mutex guards the temporary slot-hold cache. Caught and fixed a real production billing bug where two disconnected settings quietly disagreed on the platform's cut of every booking. Live at donebyme.dk.

Stack: TypeScript • Next.js • NestJS • PostgreSQL • Drizzle ORM • Redis • Google Maps API • PostGIS

2025
Active
36,000+ downloads

FileTree Pro · VS Code Extension

VS Code extension to preview and generate project folder trees before files hit disk. 36,000+ installs on the Marketplace, 5.0 average rating. Conflict-aware by design — existing files are never silently overwritten.

Stack: TypeScript • VS Code API • Webview UI

2025
In Progress

NextRush · Backend Framework

A TypeScript backend framework monorepo — 20+ packages covering a segment-trie router, a tsyringe-wrapped DI layer, Koa-style middleware, and Node/Bun/Deno/Edge adapters. Benchmarked with autocannon against Fastify, Express, Koa, and Hono: 14% overhead vs raw Node.js, and it wins the middleware-stack scenario outright (32,220 RPS vs Fastify's 28,744).

Stack: Node.js • TypeScript • tsyringe • Bun • Deno

/ TECHNICAL SKILLS

Backend: Node.js · NestJS · Spring Boot

Database: PostgreSQL · Redis · MongoDB

Architecture: Multi-Tenant Architecture · Clean Architecture · Framework Design

System Design: Caching · Concurrency Control

Infrastructure: AWS · Docker

Languages: TypeScript · Java · Go

AI: LLM Integration · LangChain

/ ACHIEVEMENTS

2025
1st Runner Up

NASA International Space Apps 2025 — Climaxplore (Team Softsasi)

1st Runner-up, NASA Space Apps Challenge 2025 (Mymensingh) — architecture support for Climaxplore, an AI weather-risk platform.

2025
Built-in AI Challenge

Google Chrome Built-in AI Challenge 2025 — ContentChat AI

Built ContentChat AI using on-device Gemini Nano — Chrome Built-in AI Challenge 2025.

/ EDUCATION

Ongoing

BSc in Computer Science

United International University (UIU)