



Habibur Rahman Nahid

Software Engineer

Email: habib.rahman0330@gmail.com Phone: +8801309734952

Address: Dhaka, Bangladesh Portfolio: habibur-rahman.vercel.app

LinkedIn: linkedin.com/in/habibur-rahman44 Github: github.com/habib33-3

PROFILE

Backend Developer with professional experience building and maintaining web applications using NestJS, TypeScript, PostgreSQL, Prisma, React, and Next.js. Skilled in developing RESTful APIs, implementing secure authentication (JWT, RBAC), integrating third-party APIs, optimizing database performance, and deploying applications with Docker. Passionate about full-stack development, writing clean and maintainable code, and continuously learning modern technologies to build scalable, high-quality software.

PROFESSIONAL EXPERIENCE

Backend Developer · Softvance - Omega, Betopia

Oct 2025 – May 2026

Dhaka, Bangladesh

- ▶ Designed and maintained production-grade REST APIs using NestJS, Prisma, and PostgreSQL across multiple client-facing applications, owning the full backend lifecycle from schema design to deployment.
- ▶ Built role-based access control (RBAC) systems with JWT authentication, handling permission scoping, token validation, and route-level authorization for multi-role user flows.
- ▶ Implemented real-time features using WebSocket's and Socket.IO, enabling live data push and event-driven communication between server and connected clients.
- ▶ Integrated Stripe payment flows end-to-end — including checkout session creation, webhook event handling, and transaction state management for reliable payment processing.
- ▶ Managed containerized deployments using Docker, maintained CI/CD pipelines, and handled VPS production releases with zero-downtime deployment practices.
- ▶ Coordinated directly with frontend teams on API contract design, response structure, and integration debugging to ensure stable, production-ready feature delivery.

PROJECTS

Order Flow · Personal Project · Backend

Tech: NestJS, TypeScript, PostgreSQL, Prisma, Redis, Stripe, bKash, Docker, GitHub

- ▶ Built a production-oriented e-commerce backend with modular REST APIs for authentication, products, categories, shipping addresses, orders, and payments.
- ▶ Implemented JWT authentication with refresh-token rotation, HTTP-only cookies, role-based access control (RBAC), and secure route authorization.
- ▶ Designed order and inventory workflows that decrement stock on order creation and restore inventory when orders are canceled.
- ▶ Integrated Stripe and bKash payment providers using a strategy-based architecture, with webhook handling and idempotent payment processing.
- ▶ Implemented Redis caching for read-heavy product and category endpoints and built automated background jobs for payment lifecycle management.
- ▶ Containerized the application with Docker and configured GitHub Actions CI/CD for automated testing, building, and production deployment.

GitHub: github.com/habib33-3/order-flow · Live API: order-flow-ek0j.onrender.com

Trip Buddy · *Personal Project* · Full Stack

Jul 2025 – Aug 2025

Tech: Node.js, Express.js, TypeScript, Prisma, PostgreSQL, Redis, React

- ▶ Built a full-stack trip planning platform with itinerary creation, trip organization, and collaborative travel management features.
- ▶ Designed normalized relational schemas in PostgreSQL using Prisma, covering users, trips, itineraries, and location associations with proper foreign key constraints.
- ▶ Implemented Redis caching on read-heavy endpoints to eliminate redundant database queries for frequently accessed trip and location data.
- ▶ Built JWT-based authentication with secure session handling, token refresh logic, and centralized error middleware for consistent API responses.
- ▶ Integrated geolocation APIs and OpenStreetMap for map-based trip visualization, handling coordinate storage and location lookup on the backend.

GitHub: github.com/habib33-3/trip-buddy

Pinterest Clone · *Personal Project* · Full Stack

Apr 2025 – May 2025

Tech: React, Node.js, Express.js, Prisma, PostgreSQL, TypeScript

- ▶ Built a full-stack Pinterest-style platform with image pinning, board management, likes, and comments — covering both backend API and React frontend.
- ▶ Designed normalized PostgreSQL database schemas for users, boards, pins, and reactions.
- ▶ Developed REST APIs for dynamic feed generation, board CRUD operations, and user interaction endpoints including likes and comment threading.
- ▶ Integrated ImageKit for cloud media storage, handling image uploads, transformation pipelines, and optimized delivery URLs on the backend.
- ▶ Managed client-side state with Zustand for global auth and board state, and built a responsive UI using React and shadcn/ui components.

GitHub: github.com/habib33-3/pinterest-clone

SKILLS

Backend:	Node.js, NestJS, Express.js
API & Architecture:	REST APIs, Swagger/OpenAPI, JWT, OAuth, RBAC, WebSockets, Socket.IO
Database:	PostgreSQL, MongoDB, Prisma, Mongoose
Caching & Messaging:	Redis
Payments & Integrations:	Stripe, bKash, Webhooks
DevOps & Tools:	Docker, Git, GitHub Actions, CI/CD, Linux
Languages:	TypeScript, JavaScript, Python
Frontend:	React, Next.js, Tailwind CSS, Zustand

EDUCATION

B.Sc. in Computer Science and Engineering

May 2019 – May 2023

Port City International University · Chattogram, Bangladesh

LANGUAGES

Bangla	Native
English	Fluent