Md. Rakibul Kabir

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GitHub Portfolio LinkedIn

Profile

Software Engineering graduate from SUST with hands-on experience in full-stack development, backend systems, and AI-driven applications. Strong foundation in API design, databases, distributed systems, and problem solving. Eager to learn fast and contribute to real-world products used at scale.

Education

B.Sc. in Software Engineering **Mar 2022 – Nov 2025**
Shahjalal University of Science and Technology, Sylhet **CGPA: 3.50/4.00**

Professional Experience

- **Junior Software Engineer** **June 2026 – Present**
  Foodi Express Limited, Dhaka *Tech-Map Department*
  - Engineered real-time Trip ETA microservices and geospatial data queries to optimize delivery routing accuracy for thousands of daily active users.
- **Junior Software Engineer** **Feb 2026 – June 2026**
  TechnoNext Software Limited, Dhaka *RND & Innovation Department*
  - Developed an ETA service for BD routing, enabling more accurate travel-time estimation.
  - Integrated OSRM engine and services like routing and distance matrix to support geospatial features.
  - Worked with Apache APISIX to configure routes, services, upstreams to support API gateway traffic.
- **Full Stack Software Engineer – Gen AI (Intern)** **Oct 2025 – Feb 2026**
  FlowGenX AI, San Francisco, USA (Remote) *Connectivity Team*
  - Built 150+ runtime connectors, enabling seamless integration with third-party APIs and services.
  - Developed workflow automation for iPaaS, enabling businesses to automate their routine tasks.
  - Worked on connector architecture, API/webhook integrations, and authentication flows including OAuth.

Technical Skills

- **Problem Solving:** Solved 600+ problems across competitive programming platforms
- **Languages:** Go | C++ | Python | Java | JavaScript | TypeScript
- **Frontend:** React | Next.js | Tailwind CSS
- **Backend & APIs:** Node.js | FastAPI | REST APIs | gRPC
- **AI:** LLMs | RAG | LangChain | MCP | Prompt Engineering
- **Databases:** PostgreSQL | MySQL | MongoDB
- **Systems & Tools:** Grafana | RabbitMQ | Elasticsearch | Docker | Linux | Git | Apache APISIX

Projects

- **Niye Jao — Ride Sharing** Live Demo | Go | PostgreSQL | PostGIS | OSRM | Redis | OpenTelemetry
  - Built a location-aware ride-sharing backend with **Go microservices**, enabling geospatial rider matching using **PostGIS** and road-network routing with **OSRM**.
  - Implemented **concurrent seat booking**, ride lifecycle state management, idempotent operations, rate limiting, and distributed tracing with **OpenTelemetry, Prometheus, Grafana, Loki, and Tempo**.
- **Effective Learning** Live Demo | Next.js | TypeScript | ShadCN | OpenAI SDK | MongoDB
  - Built C/C++ programming learning platform using LLMs to provide interactive learning assistance.
  - Integrated **OpenAI API** for user queries and **NextAuth.js** with **Mongoose** for auth & user data.
- **Order Tracking System** Go | gRPC | PostgreSQL | Elasticsearch | Domain-Driven Design
  - Built a microservices-based system with 3 services communicating through **gRPC** and **RabbitMQ**.
  - Integrated **Elasticsearch** for full-text search and real-time analytics in the Analytics service.
- **AI Notes** Live Demo | Next.js | LangChain | LiveBlocks | Gemini API | Tiptap | Convex Vector DB
  - Built an AI-powered editor for creating notes and answering questions from PDFs using a **RAG pipeline**.
  - Added **Liveblocks.io** for real-time collaboration and co-editing within the same workspace.

Other Experience

- **Research Project on Prompting Techniques (Ongoing)** Live Demo
  Analyzing *Few-Shot* and *CoT* prompting research under IICT faculty advisor for improving student learning.
- **Technical Programs & Events Participation**
  Participated in **UIHP**, **PDS EDGE**, contributing to **Technovent** and gaining hands-on teamwork experience.