

# Md. Rasheduzzaman

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## TECHNICAL SKILLS

**Programming Languages:** C++, Java, JavaScript, Go, SQL, TypeScript

**Technologies & Frameworks:** Spring Boot, Node.js, Express.js, JUnit, gRPC, Next.js

**Databases & Messaging:** MongoDB, PostgreSQL, MySQL, Kafka

**Tools & DevOps:** Git, Docker, CI/CD, GitHub Actions, Postman, Linux

## WORK EXPERIENCE

### Lynorg Technologies Limited

Dhaka, Bangladesh

#### Software Engineer (Backend)

December 2024 - Present

- Contributed to backend development of an **enterprise ERP platform** within a **microservices architecture** using **Spring Boot** and **Node.js**, building workflow-driven systems including task cascading, reporting, and access-controlled modules.
- Improved API performance by optimizing **MongoDB aggregation pipelines**, indexing strategies, and server-side pagination for high-volume data services.
- Implemented core business logic and wrote **unit tests using JUnit**, ensuring system reliability and data consistency across distributed services.

### TopOfStack Software

Dhaka, Bangladesh

#### Junior Software Engineer (Internship)

August 2024 - November 2024

- Architected a robust REST API using **Nest.js** to handle secure financial transactions, enforcing strict type safety and error handling.
- Integrated **SSLCOMMERZ payment gateway** with automated SMS/Email notification services, designed to handle high-concurrency traffic for millions of potential transactions.
- Deployed a dynamic admin dashboard using **Strapi**, streamlining content management workflows for admin users.

### Advanced Software Development

Dhaka, Bangladesh

#### Software Engineer (Internship)

Jan 2024 - March 2024

- Engineered backend microservices using **Node.js** and **Express.js**, implementing **GraphQL APIs** for flexible data fetching. Managed relational data schemas with **PostgreSQL** and **Prisma**, optimizing image compression workflows for a Shopify application.

## PROJECTS

### LedgerFlow - Distributed Financial System | Golang, Spring Boot, Kafka, PostgreSQL, Docker

[Source Code](#)

- Architected a **hybrid microservices system** utilizing **Golang** for high-throughput API ingestion and **Spring Boot** for complex **transactional ledger management**.
- Engineered an **Event-Driven Architecture (EDA)** using **Apache Kafka** to decouple services, ensuring financial **Data Integrity** via **Double-Entry Bookkeeping** and **ACID** compliance.
- Implemented **Idempotency patterns** to prevent double-spending, established **retry mechanisms** for fault tolerance, and containerized the infrastructure using **Docker Compose** and **OpenAPI**.

### PrepTracker – Interview Prep Tracker (Spaced Repetition) | Go, PostgreSQL, Next.js, Docker

[Source Code](#)

- Built a production-style **Go REST API** (modular monolith) with secure **JWT + refresh-token auth** and strict per-user data ownership.
- Implemented SM-2 spaced-repetition scheduling with append-only review event logs and transactional state updates in **PostgreSQL** for correctness/auditability.
- Delivered integrations and ops foundations: **Google Calendar sync via ICS feeds**, DB migrations, and Dockerized local environment for reliable setup.

## EDUCATION

### B.Sc. in Computer Science and Engineering

2018 - 2023

*Khulna University of Engineering & Technology*

*Khulna, Bangladesh*

## EXTRACURRICULAR ACTIVITIES

### Competitive Programming

- Problem Solving:** Solved 700+ algorithmic problems across Codeforces, LeetCode, and CodeChef.
- Codeforces:** Max Rating 1366 | **LeetCode:** Max Rating 1479
- Mentorship:** Mentored 10+ students in Data Structures & Algorithms (C++) at SGIPC Club.