

Rifat Hossain

Software Engineer | Java & Spring Boot

Uttara, Dhaka • +880-1852366762 • hossainrifat221@gmail.com
linkedin.com/in/rifat-hossain777 • github.com/Rifat-Tipu

Experience

Junior Software Engineer — TechnoNext Software Ltd.

Mar 2026 – July 2026

- Engineered the backend for a stock market analysis application using Spring Boot, delivering robust RESTful APIs to process market data.
- Model and query complex data with **PostgreSQL** DB; implement event-driven communication via **Apache Kafka**.
- Automated daily data extraction by developing custom **Web Scrapers** integrated with **Spring Schedulers**.
- Follow rigorous **Git/GitHub** workflow — branching, pull requests, and code reviews — in an Agile team.

Database Administrator Intern — TechnoNext Software Ltd.

Nov 2025 – Feb 2026

- Executed complex SQL queries for data retrieval, verification, and performance analysis across PostgreSQL databases.
- Configured secure remote connections, assisted in replication and version upgrades, and automated backups.

Technical Skills

- Languages:** Java, C#, C++, C
- Backend:** Spring Boot, Spring Security, Spring Data JPA/Hibernate, Microservices Architecture, RESTful Services
- Frontend:** HTML5, CSS3, JavaScript (ES6+), React.js (Basic)
- Databases:** PostgreSQL, MySQL, MongoDB
- Messaging & Eventing:** Apache Kafka, Redis Pub/Sub
- DevOps & Tools:** Git, GitHub, Docker, Maven (Multi-Module), CI/CD, Swagger/OpenAPI, Postman
- Concepts:** Design Patterns, SOLID Principles, ACID Properties, DSA

Projects

- MicroBondhu — Digital Microfinance Management System (FullStack)** 2025 Java 17, Spring Boot 3, PostgreSQL, React.js, Tailwind CSS, Docker | github.com/Rifat-Tipu/MicroBondhu
JWT auth, role-based access (ADMIN/FIELD OFFICER/MEMBER), digital loan lifecycle with on-site image verification, automated installment schedules, Recharts analytics dashboards, PDF report generation, Docker Compose.
- Real-Time Chat Application (Backend)** 2025 Spring Boot 3, WebSocket (STOMP/SockJS)
Bootstrap, Maven | github.com/Rifat-Tipu/Real_Time_Chat_Application
Built a multi-user chatroom enabling instant message exchange via WebSocket (STOMP over SockJS) with an auto-updating, no-reload UI; modular backend architecture designed for easy extension and database integration.
- Emras — Microservice Based E-Commerce Platform (Ongoing)** 2026 Java 21, Spring Boot 3, Apache Kafka, PostgreSQL, React 18, Docker | github.com/Rifat-Tipu/emras-backend
Developing a distributed e-commerce backend using Spring Cloud (Gateway, Eureka). Implemented async event-driven communication using Apache Kafka and the Outbox pattern. Will build an AI chat assistant integrating LangChain4j and pgvector. Secured APIs with JWT and configured centralized routing.

Education

BSc in Computer Science and Engineering

Dec 2025

IUBAT, Dhaka

CGPA: 3.89 / 4.00

Certifications

Java Spring Boot & REST API — ICT Division, Bangladesh (2024) • **Python Workshop** — BASIS Students Forum, IUBAT (2025)

Soft Skills

Problem Solving • Team Collaboration • Agile Development • Attention to Detail

Languages

Bengali (Native) • **English** (Professional Working Proficiency)