

MD. MANIRUL ISLAM

Lead Java Backend Engineer

Shajadpur, Vatara, Dhaka, Bangladesh

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Professional Summary

Software Engineer with 12+ years experience in Java/Spring Boot backend development across fintech, e-commerce, and enterprise platforms. Skilled in microservices, REST APIs, event-driven architecture, cloud-native deployment, and distributed systems. Experienced in leading engineering teams, mentoring developers, and delivering scalable, high-performance solutions. Hands-on expertise in MFS, eKYC, digital wallets, and payment integrations.

Technical Skills

Programming & Frameworks: Java, Spring Boot, Groovy, React

Databases & Caching: PostgreSQL, MySQL, Oracle, MongoDB, Redis, Elasticsearch

Messaging & Event Systems: Kafka, RabbitMQ

Cloud & DevOps: AWS, Kubernetes, Docker, CI/CD, Grafana, ELK

Security & Authentication: OAuth2, OpenID Connect, JWT, Keycloak, Security Best Practices

Architecture & Practices: Microservices, Domain-driven design, CQRS, API-first, High availability, Scalability

Leadership: Team management, Mentorship, Code reviews, Agile/Scrum

Professional Experience

Baraka Fintech Limited(Startup) — Technical Lead Engineer

Sep 2023 – Present | Dhaka, Bangladesh

- Designed and implemented microservices architecture with standardized APIs for wallet services, eKYC onboarding, and partner integrations.
- Lead 15+ engineers, defined incident response runbooks, and ensured smooth production operations.
- Implemented Redis-based caching and rate-limiting and expanded Kafka-based event backbone for reliable messaging and replay tooling.

QCOOM Limited — Solution Architect (Team Lead)

Nov 2022 – Sep 2023 | Dhaka, Bangladesh

- Lead a 20+ engineer squad (backend, frontend, mobile, QA, DevOps) and owned platform architecture for Catalog, Cart/Checkout, Payment, and Merchant onboarding.
- Built event-driven workflows with Kafka and implemented outbox patterns and idempotency keys.
- Managed AWS/Kubernetes deployments, centralized logging, metrics, and tracing.
- Integrated bKash, Rocket, Nagad, Pay Station, cards, and bank transfers with reconciliation and retry mechanisms.

TigerIT Bangladesh Limited — Senior Software Engineer

Mar 2019 – Nov 2022 | Dhaka, Bangladesh

- Developed National ID (NID), HRMS and Action Tracker systems, ensuring secure, high-availability design.
- Provided Level-3 support for developed applications, troubleshooting production issues and coordinating with

development teams for resolution.

- Mentored engineers, enforced coding standards, and conducted design reviews.

BRAC IT Services — Senior Software Engineer

May 2015 – Feb 2019 | Dhaka, Bangladesh

- Developed E-tender and Procurement systems using Java, Spring Boot, Groovy & Grails, PostgreSQL, JasperReports.
- Delivered REST APIs, data models, and integrations across modules.

GETCO Digital Limited — Software Engineer

Oct 2012 – Apr 2015 | Dhaka, Bangladesh

- Customized Adempiere ERP using Java, Spring MVC, PostgreSQL, and JasperReports.
- Provided Level-3 operational support, troubleshooting and resolving production issues.

Projects

- MFS (Mobile Financial System) — Digital Wallet & Payment System: Java, Spring Boot, Kafka, Postgres, Redis, Elasticsearch
- Farmers Market — E-commerce & Finance Platform: Java, Spring Boot, Postgres, Redis
- Qcoom E-commerce — Robust platform: Java, Spring Boot, MongoDB, Redis, Elasticsearch, AWS, Kafka
- Voter Registration & Card Management (ECS) — Java, Spring Boot, Oracle, MinIO, Kafka
- Food Delivery System (QFood) — Spring Boot, REST APIs, MongoDB, Elasticsearch, Redis
- E-Tender & Procurement(BRAC) — Groovy & Grails, Postgres, Jasper reporting, Redis

Education

B.Sc. in Computer Science & Engineering — Daffodil International University (2008 – 2012)

Certifications

- Oracle Certified Java Programmer (OCJP)

Professional Affiliations

- Member, Institution of Engineers, Bangladesh (IEB)

Keywords(ATS)

Solution Architect, MFS, Bangla QR, eKYC, OAuth2, JWT, Microservices, API Gateway, Kubernetes, Kafka, Redis, PostgreSQL, MySQL, Oracle, MongoDB, Elasticsearch, AWS, Team management, Mentorship, Code reviews.