

Towfiqul Islam

Software Engineer

✉ towfiq.106@gmail.com ☎ +8801823923023 🔗 <https://laziestcoder.github.io>

SKILLS

Java 7, Java 8, Java 11 (Spring Boot, Camel), MySQL, Oracle, PostgreSQL, Docker, Jenkins, AWS, AZURE, CLI, Tomcat, Postman, JUnit, Rest Assured, Ubuntu, CentOS

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Full-time, Remote)

Exabyting 🔗

05/2024 – present
Dhaka, Bangladesh

Software Engineer (Full-time, Remote)

SELISE 🔗

11/2021 – 04/2024
Zürich, Switzerland

- Responsible for defining & developing software for tasks associated.
- Develop enhancements to existing products.
- Collaborate in a team environment to share best practices.
- Implement process improvements.
- Ensure software quality.

Software Engineer (Full-time, Remote)

Exabyting 🔗

12/2019 – 11/2021
Dhaka, Bangladesh

- Developed various Govt and Private Web Application and Services.
- Planned development cycle and collected requirements for developing software.
- Managed three members group and delivered task within deadline.
- Worked with bKash Limited as Partner Team with their Solution Engineering Team.
- Learned software design patterns, clean coding, communication and taking ownership.
- Work in Agile/Scrum development process.
- Review and Analyze Project requirement Document.
- Prepare release note and conduct deployment.
- Demo presentation on demand.

PROJECTS

Urstamm 🔗

10/2023

Swiss date wood with digital proof of origin

Client: Switzerland-based Digital Solution company.

A project focusing on sustainable wood sourcing and environmentally friendly home design. The project aimed to enhance efficiency, data integrity, and visualization for the supply chain process.

- Attained a 20% performance enhancement by optimizing database queries and refining implementations.
- Successfully integrated Blockchain technology to ensure secure data storage, while establishing a fault-tolerant transaction system.
- Developed a comprehensive batch process pipeline, enabling the seamless storage of legacy 0.5GB data on the Blockchain platform.
- Designed an intuitive and informative Supply Chain Visualization tool.
- Utilized: Java(11), Spring Boot, Web3J, PostgreSQL, Spring Batch, Jhipster.

Tesenso Middleware 🔗

06/2022 – 12/2023

An IoT Based Project based on ThingsBoard

Client: Tesenso 🔗

An IoT project is developed for a company that produces electrical vehicles and spaceships. This is a complete dynamic project that is multi-tenant-based and multi-role-based which provides various solutions to that company and handles millions of data.

- Extended ThingsBoard, integrating Postgres DB, TimescaleDb, and Git Actions for streamlined CI/CD.

- Implemented Mbus decoder for improved data decoding on the backend and frontend.
- Designed rule nodes (e.g., Lorient, MBUS, SOAP) enhancing functionality on both ends.
- Engineered premium features in the backend for increased product value.
- Optimized time-series data handling and PostgreSQL queries for dashboard enhancement.
- Introduced a versatile export system for mobile and web platforms.
- Developed WebSocket handler for real-time widget updates.
- Orchestrated Swisscom integration, extending platform connectivity.

Technology: Java (Spring Boot), C Libraries, DB (PostgreSQL, Cassandra), MQ (Rabbit, Kafka), Redis, Azure DevOps, REST API, JS, Angular, HTTP, HTTPS, WebSocket, IoT Protocols, MQTT, CoAP, SNMP, TimescaleDB, K6

MULTIBANK

An Internal Web Application of **bKash Limited**. Implemented SFTP inbound/outbound, Configurable Email notification with async methodology, maker checker approval flow, and log-back integration.


Technology: JAVA(Spring-Boot), API, JQuery, MySQL, Spring-Integration

Others

Also contributed to bKash Savings DPS, bKash Airtime Management System, bKash Agent App, etc. Besides, worked on blockchain and supply chain for a Swiss client at SELISE.

EDUCATION

Bachelor of Science in CSE

International Islamic University Chittagong 

03/2014 – 11/2019

Chittagong,
Bangladesh

OPEN-SOURCE CONTRIBUTION

ThingsBoard

<https://github.com/thingsboard/thingsboard>

PR: 6614 