

# SAAD MD MINHAZ

Software Engineer

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Software Engineer with 4+ years of experience building scalable backend and full-stack applications using Java, Spring Boot, and microservices architecture. Specialized in designing high-performance REST APIs, event-driven systems with Kafka, and secure applications using Spring Security. Experienced in real-time systems, payment workflows, and system optimization in production environments serving thousands of users.

## TECHNICAL EXPERTISE

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**Backend** : Java, Spring Boot, Spring MVC, Spring Security, Spring Data JPA, Hibernate, Python, FastAPI, Kafka, RabbitMQ, MQTT, WebSocket

**Frontend** : Angular, React, Vaadin, TypeScript

**Databases** : SQL, MS SQL Server, MongoDB, InfluxDB, Redis

**DevOps / Tools** : Docker, Git, Grafana

**Testing / Automation** : Selenium, Sikuli

## PROFESSIONAL EXPERIENCE

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**Nybsys Ltd, Dhaka, Bangladesh**  
Software Engineer

October 2022 – Present

- Built a **Wireless Device Configuration & Monitoring platform** for **4G/5G devices** using **Python microservices and Angular**
- Implemented **event-driven processing** with **RabbitMQ** for device faults, logs, and performance monitoring
- Developed **real-time fault detection and logging services** to improve system observability and operational response
- Designed and implemented a **Financial Transaction Management System** for agents, merchants, and customers using **Spring Boot**
- Secured backend services using **Spring Security (JWT, role-based access control)**
- Contributed to **SIP/VoIP communication systems** built with **Spring**, supporting call management features
- Integrated backend APIs with **Angular frontend** to deliver end-to-end application features
- Developed **React-based admin panel** for the **Sentra PTT (Push-to-Talk) communication system**
- Built **Angular-based frontend modules** for the **Water ATM Management System**
- Containerized services using **Docker** and supported monitoring using **Grafana**

**Naztech Inc, Dhaka, Bangladesh**  
*Junior Software Engineer*

*March 2021 – September 2022*

- Developed backend services for **Loan Management and ATM Reconciliation systems** using Java and Spring
- Automated **data extraction and reporting workflows**, reducing manual effort significantly
- Built **Bangladesh Bank-compliant reports (CIB/CL)** using SQL-based reporting logic
- Implemented **desktop and web automation** using Selenium and Sikuli
- Designed **loan and financial reporting dashboards using Grafana** for operational and management insights

## EDUCATION

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**Dhaka International University (July, 2023 - present)**  
*BSE in CSE (3<sup>rd</sup> semester CGPA: 3.11/4.0)*

**Dhaka Polytechnic Institute (2016 – 2020)**  
*Diploma in CSE (CGPA: 3.47/4.0)*