

# Muhammad Shamsul Maruf

Principal Software Engineer | Java, Spring, Cloud, FIX/FAST/ITCH Fintech Backend  
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GitHub: <https://github.com/smaruf>

## Professional Summary

Passionate and highly experienced Principal Software Engineer specializing in backend systems for financial markets, with expertise in Java, Spring Boot, FIX/FAST/ITCH protocols, and cloud-native fintech architectures. Proven track record in developing full-stack, secure, scalable applications for stock exchanges, government services, health systems, and innovation platforms across Bangladesh, Poland, and global clients.

## Technical Skills

Backend: Java (Spring Boot, Java EE), Python, GoLang  
Frontend: Angular, React, JavaScript, TypeScript, Bootstrap  
Databases: MySQL, PostgreSQL, Oracle, Redis, Elasticsearch  
Cloud & DevOps: AWS, Kubernetes, Docker, CI/CD (TeamCity, Jenkins)  
Protocols & Security: FIX, FAST, ITCH, Cryptography, Secure Communication

## Professional Experience

Xpert Fintech Ltd, Dhaka

Principal Software Engineer (Apr 2025 – Present)

Leading backend architecture for DSE and CSE using FIX/FAST/ITCH protocols.

EPAM Systems, Poland

Senior Software Engineer (May 2023 – Mar 2025)

Developed Java 17 backend with Spring Boot, AWS, Python, Angular, and Bootstrap. R&D; on Plotly.js and D3.js.

EcoSoftBD Ltd, Bangladesh

Principal Software Engineer (Apr 2022 – Apr 2023)

Researched and integrated NASDAQ matching engine with FIX/ITCH/FAST protocols.

TigerIT Bangladesh Ltd.

Senior Software Engineer (Jun 2021 – Feb 2023)

Worked on government systems using Java, Spring, Python, GoLang.

Kona Software Lab Ltd.

Senior Software Engineer L-2 (Aug 2019 – Jun 2021)

Developed e-money and VISA card solutions. Supported NAGAD and NEXUS Pay.

IdeaScale Ltd.

Senior Software Engineer (Dec 2015 – Aug 2019)

Built innovation platforms for DARPA, NASA, and US Navy using Java, MySQL, Elasticsearch.

Therap Services, LLC

Senior Software Engineer (Jan 2008 – Dec 2015)

HIPAA-compliant SaaS apps for disability services using Spring, Oracle, Groovy.

IICT, BUET, Bangladesh

Programmer (Aug 2006 – Jul 2007)

Developed Java/C#/SQL-based apps for BUET, DESCO, gas companies.

## Education

BSc in Computer Science & Engineering | Rajshahi University of Engineering & Technology (RUET) | 2000 - 2005

## Languages

English (Professional), Bangla (Native), Arabic (Limited)

## Address

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