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Top Skills

Commodity Markets

Stock Market

FIX/FAST

Languages

Arabic (Reading and Writing)
(Limited Working)

English (Professional Working)

Bangla (Native or Bilingual)

Certifications

Certificate on Commodity Market
Operation Workshop

Jakarta EE Overview

Learning End-to-End Testing with
Jest

Java EE: Design Patterns and
Architecture

Spring Cloud: Cloud-Native
Architecture and Distributed Systems

Muhammad Shamsul Maruf

Senior Software Engineer (Java, Spring Boot, C#, AWS & Python)
Dhaka, Bangladesh

Summary

I'm a results-driven software developer with strong expertise in Java,
C#, Spring Boot, .NET Core, Python, Angular, React, Node.js, and
TypeScript. I build scalable systems using MongoDB, Elasticsearch,
Redis, Kafka, and both relational and NoSQL databases.

I've contributed to impactful projects across fintech, healthtech,
banking, government, and innovation domains. I work confidently
with AWS services like S3, EC2, Lambda, and CloudWatch, and
integrate CI/CD pipelines using GitHub Actions, GitLab CI, and
Jenkins to ensure efficient and automated delivery.

My focus includes practical cryptography (frontend and backend)
and AI-assisted development—using intelligent tools for code review,
refactoring, and test generation.

GitHub: github.com/smaruf
Bitbucket: bitbucket.org/MSMaruf

Experience

Xpert Fintech Ltd.
Principal Software Engineer
August 2025 - Present (2 months)
Dhaka, Dhaka, Bangladesh

R&D on NASDAQ-style trading platforms for the Dhaka and Chittagong Stock
Exchanges, leading the implementation of industry-standard protocols (FIX,
FAST, ITCH) for secure and efficient market connectivity. Specializing in real-
time market data analysis and processing using C#, MongoDB, and QuickFix-
N, driving innovation and reliability in financial systems.

EcoSoftBD
3 years 5 months

Principal Software Engineer

May 2025 - August 2025 (4 months)
Dhaka, Dhaka, Bangladesh

R&D on NASDAQ-style trading platforms for the Dhaka and Chittagong Stock Exchanges, leading the implementation of industry-standard protocols (FIX, FAST, ITCH) for secure and efficient market connectivity. Specializing in real-time market data analysis and processing using C#, MongoDB, and QuickFix-N, driving innovation and reliability in financial systems.

Principal Software Engineer
April 2022 - May 2025 (3 years 2 months)
Dhaka, Bangladesh

Led the architecture and development of a market data simulator and integration framework using FIX, ITCH, and FAST protocols to interface with NASDAQ's matching engine, customized for both the Dhaka Stock Exchange (DSE) and the Chittagong Stock Exchange (CSE) environments.

EPAM Systems
Senior Software Engineer
May 2023 - April 2025 (2 years)
Gdańsk, Pomorskie, Poland

Java-based backend software development as a service for clients with Java 17, Springboot, AWS Cloud, Python, and Serverless. I also worked with Angular, Bootstrap, NodeJS, chartJS, and TypeScript on the front end. Also, some R&D on Plotly.js and D3.js. Additionally, trained for GenAI prompts and Fintech solutions with experience in using GitHub Co-Pilot as a coding assistant and code review tool.

TigerIT Bangladesh LTD.
Senior Software Engineer
June 2021 - February 2023 (1 year 9 months)
Dhaka, Bangladesh

Coding, RnD using Java, Spring, Python, Groovy, GoLang, and jQuery for Government and proprietary software including NID, Vehicle tracking, Passport, and Secure Communication.

Kona Software Lab Ltd.
Senior Software Engineer L-2
August 2019 - June 2021 (1 year 11 months)
Dhaka

E-money-based banking system software development organization and VISA spec supported E-card provider. Also, the technical support provider

of NAGAD and NEXUS pay using Java, GoLang, and Oracle. And provide software for Korean LaoToTo lottery and game management. And for frontend used Angular, NodeJS, React, JavaScript and Typescript with additional liberies. With webpack and Bubel for NodeJS building.

IdeaScale Ltd
Senior Software Engineer
December 2015 - August 2019 (3 years 9 months)
Quantum Mostofa tower,18 Gausul Azam Avenue, Sector 13, Uttara Model Town, Dhaka

Web-based application development for community-funded idea management. Also, supply campaign management facility to DARPA, NASA, USNavy, etc. Used Java, Spring, jQuery, JS, ChartJS and D3JS, MySQL, Elasticsearch, Docker and Teamcity CI/CD

Therap Services, LLC
Senior Software Engineer
January 2008 - December 2015 (8 years)
Dhaka

Web-based application development using Android, Spring, Spring Webflow, and J2EE for the developmental disability field. And also a federal government-mandated SaaS provider with the obligation to maintain HIPPA in this field.

IICT, BUET, Dhaka
Programmer
August 2006 - July 2007 (1 year)
Dhaka

Application development using Java, C#, Visual Basic, Oracle, Microsoft SQL Server, and MySQL. Worked on central database system of BUET, PMIS of DESCO, Data acquisition for DESCO, PMIS for Bakhrabadd Gas Supply Ltd.

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Education

Rajshahi University of Engineering & Technology
Bachelor of Science (BSc) in Engineering, Computer Science and Engineering · (June 2000 - January 2005)