Muhammad Shamsul Maruf

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# Professional Summary

Senior Software Engineer with 15+ years of experience in Java, Python, and cloud-native systems, delivering high-impact backend platforms for healthcare, government, banking, and defense sectors. Proficient in AWS, Spring Boot, and microservices. Proven success in remote, cross-functional teams across Europe and Asia. Open to remote freelance/contract roles with Canadian tech companies.

# Core Skills

Languages: Java (17+), Python, Go, Groovy, SQL, TypeScript

Frameworks: Spring Boot, Hibernate, Flask, Node.js

Cloud & DevOps: AWS (Lambda, EC2, RDS, S3), Docker, Jenkins, TeamCity, CI/CD

Databases: PostgreSQL, MySQL, Oracle, DynamoDB, Elasticsearch

Monitoring/Testing: CloudWatch, Splunk, JMeter, JUnit, Cucumber

Practices: Agile, Microservices, System Design, Secure Development, IaC (CDK/Terraform)

# Professional Experience

**EPAM Systems, Poland (Remote for Global Clients)**

Senior Software Engineer | Mar 2023 – Mar 2025

- Built scalable REST APIs using Java 17, Spring Boot, AWS Lambda, DynamoDB, and RDS for U.S. healthcare (Cigna).

- Developed Python-based Lambda functions for data pipelines and auto-monitoring.

- Led CI/CD automation (Jenkins, GitHub), reducing deployment time by 40%.

- Enhanced platform reliability using CloudWatch and Splunk dashboards.

**TigerIT Bangladesh Ltd, Dhaka**

Senior Software Engineer | Jun 2021 – Feb 2023

- Engineered biometric and vehicle tracking systems for national ID and defense projects using Java, Python, Kafka, and Redis.

- Achieved secure, fault-tolerant, real-time data processing across NTMC and GOV platforms.

**Kona Software Lab Ltd**

Senior Software Engineer (L2) | Aug 2019 – Jun 2021

- Developed critical modules for e-money and banking systems (NAGAD, VISA, NEXUS Pay).

- Handled high-throughput backend transactions and lottery platforms (100M+ ticket processing).

**IdeaScale Ltd (Remote for U.S. clients)**

Senior Software Engineer | Dec 2015 – Aug 2019

- Developed secure backend services for DARPA, NASA, US Navy using Spring, MySQL, Elasticsearch.

- Led optimization for text search (n-gram), CI/CD with Docker & TeamCity.

**Therap Services (U.S. Healthcare SaaS)**

Senior Software Engineer | Jan 2008 – Dec 2015

- Built HIPAA-compliant systems for disability services across U.S. states.

- Designed custom forms and reporting tools; optimized clinical workflows.

# Education

B.Sc. in Computer Science & Engineering

Rajshahi University of Engineering & Technology (RUET), Bangladesh

June 2000 – Jan 2005 | CGPA: 3.21/4

# Languages

English: Professional Working Proficiency (B2)

# Freelance Availability

✓ Available for long-term or short-term remote projects (contract/B2B)

✓ Expertise in migrating monolith to microservices, AWS solutions, and backend automation

✓ Flexible time zone overlap with Canada (GMT+6 to CET)