

Rubiyat Hasan Siddik

Senior Backend Engineer | Java, Spring Boot, Microservices | AWS, Kafka

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PROFESSIONAL SUMMARY

Senior Backend Engineer with **6+ years of experience** designing and scaling production-grade systems using Java, Spring Boot, and Microservices. Delivered high-impact platforms for the World Bank, government institutions, and global enterprises including HSBC and UNICEF. Expert in event-driven architecture (Kafka), cloud-native systems (AWS), and building secure services handling **50,000+ daily requests** with 99.9% uptime.

CORE TECHNICAL SKILLS

- **Backend:** Java, Spring Boot, Spring Security, RESTful APIs
- **Architecture:** Microservices, Event-Driven Systems, System Design
- **Cloud & DevOps:** AWS (ECS, EC2, ALB, ASG, IAM, Secrets Manager), Docker, GitHub Actions
- **Data & Messaging:** Apache Kafka, MySQL, MS SQL Server, Oracle, MongoDB
- **Observability & Security:** Prometheus, Grafana, ELK Stack, RBAC, SSL/TLS, Encryption
- **Tools:** Git, Agile (Scrum/Kanban), Code Reviews

PROFESSIONAL EXPERIENCE

Computer Network Systems Limited | Dhaka, Bangladesh

Senior Software Engineer | Jan 2025 – Present

- Led end-to-end backend delivery of the RAISE MIS platform aligned with World Bank compliance.
- Designed and scaled services handling **50,000+ daily validation requests** using AWS ALB and ASG.
- Implemented fine-grained IAM policies and AWS Secrets Manager to secure sensitive configurations.
- Maintained **99.9% uptime** through proactive monitoring with Prometheus and Grafana.
- Reduced incident resolution time by **40%** using centralized logging via ELK Stack.

Software Engineer | Jan 2023 – Dec 2024

- Developed the core backend engine for AVIS (Automated Vehicle Inspection System) for BRTA.
- Engineered backend services for the BRTA Service Portal, serving millions of users nationwide.

- Improved system throughput by **30%** through reporting pipeline optimization and SQL query tuning.

TulipTech | Leicester, UK (Remote)

Java Developer | Feb 2021 – Dec 2022

- Built a microservices-based live streaming platform for clients including **HSBC, UNICEF, and Nestlé**.
- Designed and deployed **15+ microservices** on AWS ECS using Docker.
- Implemented automated CI/CD pipelines with GitHub Actions for distributed remote teams.
- Used **Apache Kafka** for low-latency real-time data synchronization between MongoDB and SQL.

Intellier Limited | Dhaka, Bangladesh

Developer | Dec 2019 – Feb 2021

- Engineered Spring Boot services for an Industry 4.0 Smart Factory solution processing IoT data.
- Designed a dynamic financial approval workflow engine with multi-level automated escalation rules.
- Implemented Role-Based Access Control (RBAC) using Spring Security for audit compliance.

ATI Limited | Dhaka, Bangladesh

Junior Programmer | Jul 2018 – Nov 2019

- Led backend development of the USI BD Control MIS for UNICEF for national production tracking.
- Developed government budget systems centralizing multi-tier fund allocation workflows.
- Built RESTful APIs using Laravel/Codelgniter and optimized MySQL schemas and indexing.

EDUCATION

University of Greenwich

BSc (Hons) in Business Information Technology

LANGUAGES

- **Bangla:** Native
- **English:** Professional Working Proficiency