

Rashid Abrar

rashidabbrariyad@gmail.com · +880-1784979245 · github.com/abbrariyad · linkedin.com/in/rashidabbrar

SUMMARY

Backend Engineer with **6 years** of experience building large-scale, high-throughput Java/Spring Boot microservices for **fintech and enterprise banking systems**. Architected the Notification Service — processing **1M+ daily notifications** for **160+ banking clients** and **100M+ end users** — achieving a **30× performance improvement**. Hands-on expertise across **SQL and NoSQL databases** (PostgreSQL, Oracle, MongoDB, Elasticsearch), **messaging systems** (Apache Kafka, ActiveMQ Artemis), and **CI/CD automation** (Jenkins, Docker, Ansible). Proven engineering lead in distributed system design, observability engineering, and agile delivery.

SKILLS

Languages: Java, JavaScript, Python

Frameworks & Libraries: Spring Boot, Spring MVC, Spring Data, Spring Batch, Spring Security, Spring AI, JUnit, Mockito

Frontend: Vue.js, Vuex, jQuery, HTML, CSS

Databases: PostgreSQL (Aurora), Oracle, MySQL, MongoDB, Elasticsearch, OpenSearch

Messaging: Apache Kafka, ActiveMQ Artemis

Observability: ELK Stack (Elasticsearch, Logstash, Kibana), OpenTelemetry, Datadog, Metricbeat, Filebeat, APM, Jaeger

Cloud: AWS (EC2, S3, Aurora PostgreSQL, OpenSearch)

DevOps: Jenkins, Docker, Ansible, NGINX, JMeter

AI / ML: Spring AI, OpenRouter, Elasticsearch Vector DB

Tools: Git, Jira, Confluence, Linux

PROFESSIONAL EXPERIENCE

Dynamic Solution Innovators
Software Engineer

Jun 2020 – Dec 2025

Technical Leadership & Mentorship

- Led an agile team of 5 (4 engineers + 1 QA) with full product ownership of several backend systems;
- Mentored junior and mid-level engineers through code reviews and architectural guidance — raised team capability, not just task throughput.
- Served as primary technical liaison with a cross-functional offshore team (US-based) — translated ambiguous product requirements into clear engineering constraints and communicated trade-offs without deferring difficult decisions.

Backend Development

- Architected the **Notification Service** — a high-throughput, fault-tolerant microservice processing 1M+ events daily; designed for idempotency, retry safety, and graceful failure handling using Spring Boot, Spring Batch, ActiveMQ Artemis, Aurora PostgreSQL, and MongoDB.
- Made deliberate architectural trade-offs: chose asynchronous message-driven execution over synchronous request-response to decouple producers from consumers, tolerate downstream failures without data loss, and scale processing independently of ingestion.
- Designed **Infoservice** — a backend microservice for banking data processing (statements, check images, notices) with Spring Boot, PostgreSQL, and ActiveMQ Artemis; responsible for failure recovery and data consistency across asynchronous service boundaries.
- Built a **financial statement full-text search engine** using Elasticsearch with highlighted retrieval; integrated with downstream banking services, reducing search latency and simplifying query complexity for consumers.

Instrumentation & Observability

- Designed and deployed a **company-wide ELK observability platform** centralizing logs, metrics, and traces across all distributed microservices; implemented custom dashboards, alerting rules, and ILM policies — the primary tool used during all production incident diagnosis.
- Instrumented all core microservices with **OpenTelemetry** for end-to-end distributed tracing across service boundaries; integrated with Datadog and Jaeger, enabling precise root-cause analysis during production incidents without guesswork.
- Used logs, metrics, and traces as the primary debugging interface in production; established instrumentation standards so every service emitted actionable signals before deployment.

Frontend

- Designed and developed the frontend for the Account Management module using **Vue.js**
- Implemented a component-based architecture for scalable and maintainable UI complex application state efficiently using **Vuex**

DevOps & Infrastructure

- Implemented CI/CD pipelines using **Jenkins and Ansible**, automating build, test, and deployment workflows across multiple environments.
- Configured high-availability infrastructure including **ActiveMQ Artemis clusters** and **NGINX load balancers**; managed server configuration and provisioning with Ansible; performed load testing with JMeter to validate system throughput under peak traffic conditions.

Performance Optimization & Infrastructure

- Migrated primary databases from Oracle to **AWS Aurora PostgreSQL**; rewrote and tuned queries for large-scale financial data workloads, reducing infrastructure cost and improving query throughput in measurable, benchmarked increments.
- Configured high-availability infrastructure: ActiveMQ Artemis clusters, NGINX load balancers, and Ansible-managed server provisioning; validated system capacity under peak load using JMeter before every major release.

AI & Innovation

- Built **WorkSyncAI** at a company-hosted hackathon — an autonomous AI agent that monitors workforce productivity in real time, detects burnout patterns, flags organizational risks, and enables natural language Q&A via an intelligent chatbot; architected end-to-end using Spring AI, Apache Kafka, FastAPI, Elasticsearch Vector DB, and OpenRouter as the LLM gateway.

EDUCATION

Mawlana Bhashani Science and Technology University, Bangladesh
BSc in Computer Science

Feb 2015 – Jan 2020