

MALAIKA GUPTA

Java Backend Engineer

Bangalore, India | +91-8604270665 | malaikagupta23@gmail.com | linkedin.com/in/malaika-gupta | github.com/Malaika23

SUMMARY

Java backend engineer with 2+ years building and operating Spring Boot services for payments, lending and regulated financial-services platforms (StrideOne, Razorpay, Morgan Stanley via Accolite). Re-architected a concurrent processing pipeline for **~35% lower latency**, decomposed a monolith into **3 independently deployable microservices**, led integration of **3+ payment gateways**, and cut release cycle time **30%** through CI/CD automation. Root-causes production race conditions and designs idempotent, thread-safe write paths.

TECHNICAL SKILLS

Languages: Java (8/17), Golang, Python, PHP, SQL

Backend & APIs: Spring Boot, Spring Cloud, Spring Security, Hibernate/JPA, Dropwizard, REST API design, OAuth2/JWT, API Gateway, Eureka, multithreading & concurrency (ExecutorService, thread pools)

Data & Messaging: MySQL, PostgreSQL, MongoDB, RabbitMQ, event-driven architecture, microservices, monolith decomposition

DevOps & Cloud: Docker, Kubernetes, AWS, GitHub Actions (CI/CD), Maven, Git, Linux/Unix

Testing & Observability: JUnit, unit + integration testing, Postman, Grafana, Prometheus, Coralogix, log analysis, incident triage & RCA

Domain: Payments & lending (LOS/LMS), disbursement and repayment, borrower consent flows, Mifos X / Apache Fineract

PROFESSIONAL EXPERIENCE

Software Development Engineer, Backend | StrideOne

Aug 2026 – Present

Java 8/17, Spring Boot, Dropwizard, Hibernate, MySQL, Maven, REST APIs

- Root-caused a production race condition where two async notification flows hit the same consent-record creation path concurrently, writing duplicate rows for identical invoice payloads; made the write path **idempotent and thread-safe**.
- Redesigned batch consent from a single comma-separated invoice payload into **invoice-level action tracking** with explicit PENDING / IN_PROGRESS / COMPLETED / EXPIRED transitions, unblocking borrowers previously refused with “action already taken” mid-batch.
- Hardened customer-facing consent links by **encrypting URL parameters**, preventing tampering and unauthorised invoice approval.
- Rebuilt the client-facing lending dashboard and borrower consent workflow for invoice-based disbursement (batch upload, consent capture, WhatsApp + email notifications); translated lending requirements into **REST API contracts** with product and operations on a Mifos X / Apache Fineract stack.

Product Development Engineer | Razorpay

Aug 2023 – Jul 2024

Golang, PHP (Laravel), MySQL, Docker, Kubernetes, GitHub Actions

- Built high-throughput bulk data-export and international payment-identification services over large transaction datasets, cutting manual processing time for the payments team by **40%**.
- Led end-to-end integration of **3+ payment gateways** and built real-time alerting for payment monitoring; owned code-review standards for security and reliability on customer-facing financial flows.
- Automated CI/CD (GitHub Actions, PR-metrics dashboards) and containerized services with Docker/Kubernetes, cutting release cycle time **30%**.

Software Engineer | Accolite Digital (Client: Morgan Stanley)

May 2022 – Aug 2023

Java 17, Spring Boot, JUnit, SQL, Maven, Git, AWS

- Re-architected the LESA error-management tool with concurrent processing (ExecutorService, thread pools), cutting end-to-end processing latency **~35%** on a regulated financial-services production system.
- Decomposed a monolith into **3 independently deployable Spring Boot microservices**, eliminating race conditions and enabling independent horizontal scaling.
- Integrated real-time observability and drove log analysis and root-cause investigation on production incidents, cutting production bug rate **25%**; wrote JUnit unit and integration tests alongside the re-architecture and led code reviews on concurrency patterns.
- Earlier, as Associate Software Engineer: designed RESTful APIs for an interview-scheduling system in Java/Spring Boot with multithreaded scheduling and thread-safe shared state, deployed on AWS.

PROJECTS

AI-Powered Fitness Microservices Platform

Personal project

Java 17, Spring Boot, Spring Cloud, Eureka, API Gateway, RabbitMQ, PostgreSQL, MySQL, MongoDB, OAuth2/JWT, Docker

- Architected a distributed backend (User, Activity and AI services) with Eureka service discovery, an API Gateway and polyglot persistence across PostgreSQL, MySQL and MongoDB.
- Built an event-driven pipeline over RabbitMQ to an external AI inference API; secured endpoints with OAuth2/JWT and containerized all services with Docker.

EDUCATION

B.Tech, Electronics and Communications Engineering

2018 – 2022

A.P.J. Abdul Kalam Technical University, Kanpur