

Muhammed Emre Saritaş

Backend Engineer | Java & Spring Boot | Enterprise Integrations

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PROFESSIONAL SUMMARY

Backend Engineer with 3+ years of experience building and operating Java/Spring Boot microservices for enterprise systems. Built 10 backend services from scratch and contributed to approximately 34 services across 15 projects, delivering 10+ third-party and ERP integrations for 9 enterprise customers. Experienced in reliability-focused integration design, asynchronous processing, PostgreSQL performance optimization on datasets of up to 8.5 million records, and production incident ownership on Kubernetes.

PROFESSIONAL EXPERIENCE

Geovision Group

Backend Engineer | Aug 2023 – Present

- Built 10 backend services from scratch within a microservice architecture and contributed to approximately 34 services across 15 projects for 9 enterprise customers, owning service design, implementation, integration testing, and production support.
- Designed and built a B2B order integration service between a sales platform and a legacy ERP, defining validation flows, asynchronous order processing, local stock buffering, and transaction boundaries.
- Built and maintained 10+ third-party and system integrations using REST, SOAP/XML, and SFTP/FTP, covering orders, stock, invoices, payments, pricing, and reporting workflows.
- Implemented layered retry strategies for external system communication, using exponential backoff with jitter for transient network failures and separate domain-level retries for delayed ERP processing.
- Designed resilient ERP/SFTP synchronization flows using versioned full/delta loading, charset fallbacks, malformed-file handling, and idempotent payment processing, so valid data is never replaced by missing, stale, or partial upstream data and retries never cause duplicate balance deductions.
- Optimized PostgreSQL queries, stored procedures, and batch jobs on datasets of up to 8.5 million records, reducing redundant scans and writes; resolved JVM memory pressure through memory-aware batch processing.
- Designed asynchronous processing pipelines with dedicated executor pools and CompletableFuture, and developed Elasticsearch-based search and aggregation including pagination and geospatial queries.
- Owned production incident investigation on Kubernetes (AWS EKS, Azure AKS) for JVM/OOM issues, SOAP timeouts, connection pool exhaustion, missing PostgreSQL partitions, and synchronization failures, using Grafana, Jaeger, and logs to find root causes and implement permanent fixes.
- Translated business requirements and production issues into technical solutions, participating in technical design discussions and coordinating implementation across internal and outsourced engineering teams.

TECHNICAL SKILLS

Backend & Architecture: Java, SQL, Spring Boot 2/3, Spring MVC, Spring Data JPA, Hibernate, Spring WebFlux, Dropwizard, Microservices

Data & Search: PostgreSQL, MongoDB, Redis, Elasticsearch

Messaging & Integration: RabbitMQ, JobRunr, REST, SOAP/XML (JAXB), JSON, SFTP/FTP, OkHttp

Infrastructure & Delivery: Docker, Kubernetes (EKS, AKS), Jenkins, AWS S3, Maven, Git

Observability & Tooling: Grafana, Jaeger, Swagger/OpenAPI

Security: Spring Security, Keycloak, CORS, JWT

Testing: Integration Testing, Mockito, JUnit

EDUCATION

Kadir Has University | 2018 – 2023

B.Sc. in Computer Engineering (English)