

Mathieu Steenput

PROFILE

Senior Full Stack Java Developer with 9+ years of professional experience, including 8+ years specialising in Java, delivering scalable applications in complex, multi-system environments. Currently at FOD BOSA designing and developing microservices for eDepot using an event-driven architecture on Kubernetes/OpenShift with Java 25, Spring Boot, and Kafka. Previous experience at SPF Finances on Belgian fiscal systems using Apache Camel, Hibernate/JPA, and Java EE, including a Junior Tech Lead role. Frontend experience with VueJS (component-based SPA, TypeScript — skills transferable to Angular). Strong in TDD, CI/CD ownership, mentoring junior developers, and cross-team collaboration.

EXPERIENCE

FOD BOSA (Federal Public Service) — Brussels, Belgium

Senior Full Stack Java Developer (Freelance)

July 2022 - Present

- Design and development of backend microservices using Java and Spring Boot for eDepot, a high-availability federal platform serving the creation and management of Belgian and foreign companies
- Technical design and analysis of new features: architecture design, API contracts, and technical documentation
- Architecture of RESTful APIs and event-driven integrations using Kafka within a distributed microservices environment on OpenShift (Kubernetes)
- Workflow orchestration with Camunda: BPMN process modelling and implementation for eDepot business workflows
- Integration with eBox (Belgian e-government digital mailbox) and internal/external BOSA partner services
- Database design and management with PostgreSQL
- Backoffice development with VueJS: request status monitoring, Kafka queue management, retry and cancel operations
- Creation of new services and routes on OpenShift, with deployments managed across TA, INT, and PROD environments
- Distributed logging and observability with the ELK stack (Elasticsearch, Logstash, Kibana), Slack alerting, and distributed tracing via a business key propagated across all services
- Ownership of CI/CD pipelines (GitLab CI) and automated deployment strategies ensuring continuous delivery
- Java version upgrade from 11 to 25 during active development, ensuring compatibility and adopting new language features
- Application security: JWT-based authentication, secure inter-service communication (HTTPS/TLS), and integration with the BOSA security layer
- Code security scanning with Snyk integrated into CI/CD pipelines
- Testing with WireMock (workflow mocking) and Cucumber (BDD acceptance tests)
- Technical mentoring of junior developers through code reviews, pair programming, and knowledge-sharing sessions
- Cross-team collaboration with product owners, architects, and external

CONTACT

+32 475 34 87 51

hello@mathieusteenput.be

Steenput Consulting

SKILLS

Backend & Microservices

- Java (8-25)
- Spring Boot, Spring Framework (Core, Data, Security, Batch)
- RESTful APIs, gRPC, SOAP
- Microservices & event-driven architecture (Kafka)
- Java EE (Java 7), Apache Camel
- Camunda (BPMN workflow orchestration)
- Python
- Streams, Lombok, MapStruct

DevOps & CI/CD

- Docker
- Kubernetes / OpenShift (on-premise)
- CI/CD pipelines (GitLab CI, Jenkins)
- ELK stack (Elasticsearch, Logstash, Kibana)
- WebLogic application server
- Automated deployment strategies (TA, INT, PROD)
- Linux environments

Architecture & Integration

- Microservices architecture
- Event-driven systems
- Backend for Frontend (BFF)
- SOA & multi-system integration
- OpenAPI, Swagger
- eBox integration (Belgian e-government)
- Partner API integration

Frontend

- VueJS
- JSF (JavaServer Faces)
- TypeScript, HTML, CSS

Data & Caching

- PostgreSQL, DB2
- Redis (task queue & caching)
- Hibernate / JPA
- Spring Cache
- Kafka (event streaming)

Testing & Quality

- JUnit, Mockito
- Cucumber (BDD), WireMock
- Selenium (UI automation)
- Test Driven Development (TDD)
- SonarQube, Snyk

Version Control & Tooling

partners; ongoing maintenance and production support

Java · Spring Boot · Kafka · PostgreSQL · REST API · Microservices · OpenShift · CI/CD · VueJS · ELK · Camunda · WireMock · Cucumber · eBox · GitLab CI · JWT · Snyk

ETNIC — Brussels, Belgium

Tech Lead / Backend Java Developer (Freelance)

December 2020 - December 2021

- Tech Lead role: technical coordination and guidance for the development team
- Frontend development with JSF (JavaServer Faces) for web-based public sector applications
- Automated UI testing with Selenium for web interfaces
- Development of scalable backend services using Java and Spring Boot
- Containerized deployments with Docker, contributing to infrastructure-as-code and DevOps practices
- Implementation of automated testing strategies (JUnit, Mockito) within CI/CD workflows
- Rigorous Agile methodology with all Scrum rituals: daily standups, sprint planning, reviews, and retrospectives

Java · Spring Boot · Docker · REST · CI/CD · DevOps · JSF · Selenium · JUnit · Mockito · Agile/Scrum

Sopra Steria - FOD BOSA — Brussels, Belgium

Java Software Engineer (Consultant)

June 2019 - January 2020

- Implementation of backend services and RESTful APIs for the BeSt (Belgium Street) national platform
- Design and integration of web services (REST, SOAP) within a service-oriented architecture
- Automated testing and quality assurance in a large-scale enterprise environment

Java · REST · SOAP · Web Services · SOA

Sopra Steria - SPF Finances — Brussels, Belgium

Java Software Engineer / Junior Tech Lead (Consultant)

February 2017 - June 2019

- Maintenance and feature development on ISoc (Belgian corporate tax application), including bug fixes, new functionalities, and code quality improvements
- Legacy analysis and new architecture design for IPP (Belgian personal income tax): decomposing a monolithic Java EE system into modern integration flows using Apache Camel
- Data persistence with Hibernate/JPA and DB2 in a regulated fiscal data environment
- Application deployment and configuration on WebLogic application server
- Unit testing with JUnit and setup of test environments ensuring reliability of fiscal processing logic
- DevOps: installation and maintenance of a GitLab server, setup and management of Jenkins CI/CD pipelines
- Junior Tech Lead for the Java EE ecosystem: guiding architectural decisions and supporting team members on Java 7 EE best practices
- Worked in a highly regulated environment with strict quality gates,

- Git / GitLab / GitHub
- Maven
- IntelliJ IDEA
- Code reviews & technical documentation
- Atlassian suite (Jira, Confluence)

Agile & Collaboration

- Agile / Scrum
- Cross-team collaboration
- Technical mentoring
- Partner & stakeholder communication

LANGUAGES

French : Native

English : Professional working proficiency

DIPLOMAS & CERTIFICATIONS

- Building Agentic AI Applications with a Problem-First Approach - Maven (Issued Mar 2026)
- Artificial Intelligence Techniques - Technofutur TIC (2024)
- Axway Certification - Axway (2019)

INTERESTS

- Space & Rocketry
- Cycling
- Padel
- Self-hosted cloud infrastructure

security constraints, and compliance requirements

Java · Java EE · Spring · Hibernate · JPA · DB2 · Apache Camel ·
WebLogic · JUnit · Jenkins · GitLab · REST

Personal Project - InspectAI — inspectai.eu

Founder & Python Developer

2025 - Present

- Architecture and development of a GEO monitoring platform using a Python backend with async workers pulling tasks from Redis and callback mechanisms
- Design of an event-driven architecture with Next.js frontend, Python API, and Redis-based task queue for asynchronous processing
- gRPC-based communication between services for efficient inter-service calls
- Integration with multiple LLM APIs to monitor and advise on website GEO positioning
- PostgreSQL database design and management

Python · gRPC · Redis · PostgreSQL · Next.js · Async

EDUCATION

Bachelor - Business Information Systems — Institut Paul Lambin (2017)

Specialization in software development and business applications