

MAMBAFEI Tanguy Pouwedeou

Backend Java Developer | Spring Boot | Microservices | Distributed Systems

Lome, Togo (Open to Remote) | mambafeitanguy@gmail.com | +228 90 71 09 06 | LinkedIn: bit.ly/3RTXgEC | GitHub: Tanguy-coder

PROFESSIONAL SUMMARY

Backend Java Developer with 4+ years of software development experience, specialized in Java, Spring Boot and microservices architecture. Experienced in building scalable REST APIs and event-driven, distributed systems, with a strong focus on clean code, reliability, security, and maintainability. Hands-on experience with DDD, CQRS, Saga, Outbox and resilience patterns. Currently completing a master's in software engineering.

TECHNICAL SKILLS

Backend: Java 17/21, Spring Boot, Spring MVC, Spring Security, Spring Data JPA, Hibernate, REST APIs, OpenAPI/Swagger, MapStruct, Data Structures

Architecture: Microservices, Distributed Systems, Event-Driven Architecture, DDD, Clean Architecture, SOLID, CQRS, Saga Pattern, Outbox Pattern, Resilience & Fault Tolerance

Messaging & Data: Apache Kafka, PostgreSQL, MySQL, Redis, Asynchronous Communication, Eventual Consistency

Cloud & DevOps: Docker, Git, GitLab CI/CD, Linux, AWS fundamentals

Additional: PHP/Laravel, Angular, React Native, TypeScript, Python

PROFESSIONAL EXPERIENCE

Freelance Backend Developer — Independent Consulting

2021 - Present | Remote

- Designed and developed backend applications and REST APIs for clients and personal products across finance, education and business management.
- Translated business requirements into maintainable software architectures, applying SOLID and Clean Architecture principles where appropriate.
- Explored Java/Spring Boot, Kafka, PostgreSQL and Redis through personal engineering projects (DigiPay, E-Bank - see below). Apply event-driven and distributed-system patterns.
- Containerized applications with Docker and implemented CI/CD deployment workflows using GitLab, including shared/FTP-only hosting.
- Diagnosed and resolved backend performance, reliability, and security issues.

SELECTED ENGINEERING PROJECTS

DigiPay - Digital Payment & Settlement Platform — Personal Project

Java 21, Spring Boot, Kafka, Redis

- Designed a scalable event-driven microservices architecture separating customer, wallet, payment and settlement concerns, with 146 automated tests.
- Implemented the Saga pattern for distributed transaction management and the Outbox pattern to solve the dual-write problem.
- Applied CQRS and idempotency mechanisms to prevent duplicate payment processing; used Redis for transient/idempotency data.
- Persisted data in PostgreSQL in production, with H2 in-memory used for the automated test suite.

E-Bank - Banking Microservices Platform — Personal Project

Java, Spring Boot, Spring Cloud, PostgreSQL

- Designed a 7-service banking backend (customer, banking, API gateway, service discovery, centralized config).
- Implemented service discovery with Eureka, routing via Spring Cloud Gateway and centralized config with Spring Cloud Config.
- Applied Resilience4j for fault tolerance and MapStruct for DTO/domain mapping; persisted data in PostgreSQL.

EDUCATION

Masters in software engineering (in progress) - Universite Numerique Cheikh Hamidou Kane

Licensee in Mathematics and Applied Computer Science - Universite de Kara (2020)

CERTIFICATIONS & LANGUAGES

Certifications: Google Data Analytics Professional Certificate; IBM Cloud Computing, DevOps & Linux Commands

Languages: French (Native), English (B2 - Professional Working Proficiency)