

IBRAHIM AHARRAR

Backend Software
Engineer

CONTACT

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SKILLS

Backend

Java, C# / .NET, Spring Boot,
Spring Data JPA, Spring Security,
Hibernate, REST APIs, OpenFeign

Cloud

AWS S3, MinIO, AWS Glue,
Amazon Athena, Docker,
Kubernetes

Databases

SQL Server, Oracle, PostgreSQL,
MariaDB, Flyway

DevOps

Azure DevOps (YAML), GitLab
CI/CD, Maven, PowerShell, Git

Testing

JUnit 5, Mockito, ArchUnit,
SonarQube/SonarCloud, k6,
JaCoCo

Architecture

Clean Architecture, Hexagonal,
DDD, SOLID

EDUCATION

**Bachelor's Degree, Computer
Science (Analyst-Developer)**
ISFCE, Brussels · 2016–2020

Web Designer Certification
FJJ, Brussels · 2018–2019

CERTIFICATIONS

**PSM I — Professional Scrum
Master**
Scrum.org · 2024

**PSPO I — Scrum Product
Owner**
Scrum.org · 2024

LANGUAGES

French — Native
English — Professional
Dutch — Basic

INTERESTS

Football
Tech & AI
Travel & Culture
Cinema

PROFILE

Backend Software Engineer with 5+ years of experience building business-critical systems in Java / Spring Boot and .NET for healthcare and public-sector clients. Skilled across the full backend lifecycle: REST API design, cloud integration (AWS, Azure DevOps), data modeling and CI/CD. Strong focus on software quality (SonarQube, ArchUnit, testing) and comfortable integrating AI tooling into daily engineering workflows.

EXPERIENCE

Backend & Cloud Integration Engineer

Corilus (Freelance) · Brussels · March 2026 – Present

- Own backend development on a multi-module healthcare platform (CareConnect Pharmacist, CareConnect Cloud), building REST APIs in Java/Spring Boot with external integrations via Spring Cloud OpenFeign.
- Led the migration of a legacy .NET application to Java/Spring Boot in the cloud, using AWS S3/MinIO storage and Amazon Athena for data analysis.
- Reduced open SonarQube issues from 60 to 13 in production through systematic refactoring, paired with an AI-assisted remediation workflow (Codex).
- Refactored core services towards Clean Architecture (Controller → Command → Use Case), enforced with ArchUnit rules and parametrized JUnit 5 tests.
- Modernized CI/CD on Azure DevOps (YAML pipelines, Kubernetes deployments, scheduled SonarCloud analysis) and closed CVEs via Aikido Security.

Java Developer

SPF Finance · Brussels · 2022 – 2024

- Delivered 25+ REST endpoints for the STIPAD national cadastral platform (parcels, owners, workflows).
- Implemented business rules with Spring / JPA-Hibernate and optimized Oracle SQL queries.
- Resolved critical production incidents through log analysis and root-cause debugging.

Java Developer

SPF Justice · Brussels · 2021 – 2022

- Led a full UI migration from RichFaces to PrimeFaces for a critical DNA-data management application.
- Refactored JSF views and stabilized the application through regression testing and user collaboration.

KEY PROJECTS

CCPC Connector — Healthcare Integration

Connector layer between CareConnect Pharmacist and CareConnect Cloud: multi-module Spring Boot service handling REST integrations, JSON contract modeling and orchestration via Spring Cloud OpenFeign.

MPH Registers Export

Reliable export flow of register-closing data to Multi Pharma, with retry handling, staging tables and end-to-end JSON contract validation.

Stock Lines Snapshots

Pipeline capturing stock-line snapshots into AWS S3 / MinIO, queryable through Amazon Athena for downstream reporting and analysis.

CI/CD & Sonar Quality Improvements

Overhauled Azure DevOps YAML pipelines, added scheduled SonarCloud analysis, and raised test coverage to meet quality gates across the platform.