

ABDESSAMAD AFENICH

Java / Java EE Software Engineer

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PROFESSIONAL SUMMARY

Java/Java EE Software Engineer with 6+ years of experience designing, developing and deploying web applications, RESTful APIs and microservices. Strong expertise in Spring Boot, databases (PostgreSQL, MongoDB, Redis), CI/CD pipelines, Docker/Kubernetes and cloud platforms (AWS, GCP). Proven track record across e-commerce/marketplace, medical imaging, banking and SEO domains.

PROFESSIONAL EXPERIENCE

Software Engineer | Mirakl

November 2023 – Present | Remote, France

- Developed and evolved Mirakl's product suite across three functional domains: Target2Sell (personalized recommendations), Ads (retail media), and Fulfillment/MMP (marketplace operations).
- Contributed to the full SDLC: design, development, testing, bug fixing and production deployment of RESTful APIs for e-commerce and marketplace platforms.
- Worked on Target2Sell and Mirakl Ads enhancements, then contributed to order management, shipping and fulfillment features within the MMP project.
- Collaborated cross-functionally with Product, Engineering, Data and Support teams to analyze requirements, resolve technical issues and ensure delivery quality.
- Integrated AI coding tools (Claude Code, Cursor, GitHub Copilot) throughout the development lifecycle: analysis, design, development and code review.
- Designed and built custom AI skills and plugins to extend code assistant capabilities (Claude Code, Cursor) and automate team workflows.
- Designed and deployed automation agents using n8n and Dust.

Tech Stack: Java 21/25, Java EE, Spring Boot, Spring MVC, React, REST API, PostgreSQL, MongoDB, Redis, Cassandra, Flyway, JOOQ, Kafka, RabbitMQ, Maven, Gradle, Git, GitHub, GitHub Actions, Jira, Confluence, Kanban, Docker, Kubernetes, Datadog, ArgoCD, Teleport, AWS, GCP, IntelliJ, macOS, Linux, Claude Code, Cursor, GitHub Copilot, N8N, Dust.

Domain: Retail media, personalized recommendations, marketplace, order management, shipping, returns and fulfillment.

Software Development Engineer | GE Healthcare

April 2022 – October 2023 | Strasbourg, France

- Developed and improved DoseWatch: a critical software solution for optimizing radiation dose management and patient safety in medical imaging facilities.
- Collaborated with cross-functional teams to gather functional requirements from support teams and medical imaging specialists.
- Participated in the full software development lifecycle: design, development, testing, debugging and deployment.
- Enforced code quality and coding best practices through regular code reviews with team members.
- Optimized software performance and ensured scalability to handle large volumes of data generated by medical imaging devices.

Tech Stack: Java 8/11, Java EE, EJB, Spring Boot, Spring MVC, JSF2, MariaDB, Flyway, JOOQ, Maven, Git, GitLab, Jira, Confluence, Scrum, Wildfly 21, Jenkins, Docker, IntelliJ, WSL (Ubuntu).

Domain: Medical imaging: optimized radiation dose management in healthcare facilities.

Software Development Engineer | INTM Groupe

March 2020 – March 2022 | Strasbourg, France

Assignment at Euro Information, Strasbourg:

- Led the migration of a legacy banking application from Java 6 / JBoss 5 / Oracle 11g to Java 11 / JBoss EAP 7 / Oracle 19c, responsible for technology decisions, dev environment setup, and coordination with infrastructure and DBA teams for server configuration, security certificate installation and database migration.
- Handled maintenance and feature requests for Java and C# banking applications.

Tech Stack: Java 6/11, Struts 1, Spring MVC, Oracle, Maven, RTC Jazz, JBoss EAP 7 & 5, Eclipse, C#, Visual Studio 2015.

Domain: Payment systems, credit and debit card management for Targobank (Germany) and BeoBank (Belgium).

R&D Software Engineer | Pixalione

May 2018 – May 2019 | Paris, France

- Developed a REST API integration module for Pixalione's "Monetoring" tool using the Google My Business API, enabling businesses to manage their appearance on Google Search and Maps and track search analytics.
- Built a multi-source location visibility tool integrating REST APIs from HERE Places, TomTom Search, Yelp, Foursquare, Google Places, Facebook and Instagram Graph API, improving online store discoverability for clients.
- Refactored an existing SEO monolith into a microservices architecture, improving execution time, code quality and test coverage.

Tech Stack: Java 8, Spring Boot, MongoDB, Maven, RabbitMQ, Cassandra, Git, Docker, Jenkins, AWS, IntelliJ, Selenium, PhantomJS.

Domain: SEO: search engine optimization and online visibility.

SKILLS

- **Programming & Frameworks:** Java (6 to 25), Android, C#, Python, OCL, ATL, PL/SQL, Spring (Core, MVC, Security, Boot, Data), JSF2, Struts 1 & 2, JPA, JOOQ, Flyway, Hibernate, JavaFX, JUnit, Angular, React, REST API.
- **AI & Automation Tools:** Claude Code, Cursor, GitHub Copilot, N8N, Dust, Prompt Engineering, Custom AI Skills, Plugins & MCP Development.
- **Databases:** MySQL, MariaDB, SQL Server, SQLite, MongoDB, Cassandra, Elasticsearch, PostgreSQL, Oracle.
- **DevOps & Cloud:** CI/CD, Docker, Kubernetes, Teleport, ArgoCD, Jenkins, GitHub Actions, AWS, Google GCP.
- **Web Technologies:** JavaScript, jQuery, Ajax, CSS, Bootstrap.
- **Application Servers:** JBoss EAP 7 & 5, Wildfly, Tomcat.
- **Other:** Merise, UML, Design Patterns, Scrum, Kanban, Kafka, RabbitMQ, Git, Jira, Confluence, RTC Jazz, SVN, GitHub, BitBucket, GitLab, Maven, Gradle, Datadog.

EDUCATION

Engineering Degree - Computer Science

École Nationale des Sciences Appliquées de Khouribga | September 2018 | Khouribga, Morocco

Bachelor of Science - Computer Science & Engineering

Faculté des Sciences et Techniques de Settat (FSTS) | June 2015 | Settat, Morocco

University Diploma of Technology (DUT) - Computer Science

École Supérieure de Technologie de Meknès | June 2014 | Meknès, Morocco

Baccalauréat (High school diploma) - Physical Sciences

Ibn Roumi high school | June 2012 | Meknès, Morocco

LANGUAGES

- **French: Fluent**
- **English: Fluent**
- **Arabic: Native**
- **Tamazight (Berber): Native**

INTERESTS

- IT maintenance & hardware
- Reading
- Role-playing games
- Travel