

Results-driven Java Backend Engineer with 4+ years of experience building scalable microservices and REST APIs for enterprise insurance systems. Proven track record in designing and delivering complex backend solutions including automated batch processing, multi-service integrations, and PDF generation pipelines. Bilingual in French and English, with a passion for writing secure, scalable, and maintainable code, and for documenting what I learn on my technical blog, **Codelogium** (codelogium.com).

Work Experience

Software Engineer	DXC Technology Rabat, Morocco	Apr 2022 – Present
Integral Team <i>Java Backend Developer – Spring Boot</i> Integral PathFinder Project – Claims Office - Designed and implemented REST APIs for claims processing including compensation sheets, documents, and notes management. - Engineered an automated batch scheduler for Reinsurance and Coinsurance letter generation, handling cross-claim recipient grouping, multi-PDF merging, secure DMS storage, and automated email delivery, reducing manual intervention in insurer-to-insurer communications. - Debugged and resolved complex integration issues across multiple microservices including print service, DMS, and PAS systems, ensuring reliable end-to-end letter generation and delivery. - Collaborated with Business Analysts and Tech Leads to translate business requirements into scalable technical solutions for insurance claim workflows. - Technologies: Java, Spring Boot, Spring Hateoas, MongoDB, REST APIs, Maven, Git, Postman		
Graphtalk Team <i>Graphtalk AIA Developer</i> Professional Trainings Configured and parameterized P&C insurance products on Graphtalk AIA, applied Data Dictionary for domain modeling, and designed REST APIs in Graphtalk for system integration with external tools.		
MEDVIDA Project – Reinsurance - Automated reinsurance processes including claims handling, premium calculations, and implemented business logic for proportional and non-proportional treaties (Quota Share, Surplus), premium cessions. - Developed unit and integration tests to ensure system reliability; collaborated with functional analysts to translate business requirements into technical specifications. - Contributed to debugging, documentation, and delivery cycles while actively participating in Agile ceremonies including sprint planning, estimation, and demos.		
Full Stack Developer Internship	Ibn Tofail University Kenitra, Morocco	Sep 2020 – May 2021
- Blockchain Credential Management – Designed a blockchain network for automating the issuance and management of digital university credentials (diplomas, transcripts, certifications). - Full-Stack Development – Developed an application using Linux Hyperledger Fabric, Node.js, Express.js, and REST APIs for seamless blockchain interaction.		

Night Manager-Receptionist

Hotel Vitality Terminus
Kenitra, Morocco

Jul 2020 – Oct 2021

- Streamlined end-of-day financial processes using the **MVC framework**, achieving **98% accuracy** in daily financial statements.
- Managed front desk operations including guest check-in, inquiries, and overnight financial reporting.

Designer Developer

Freelancer

ACEM

Fes, Morocco

2018 – 2020

- Designed and developed the official ACEM platform with PHP, HTML/CSS, and JavaScript.

Technologies and Languages

- Programming Languages: Java, Java EE, PHP, Python, Graphtalk
- Databases : PostgreSQL, MySQL, MariaDB, MongoDB
- Frameworks: Spring Boot, JPA, JUnit, Mockito, Hyperledger Fabric, Laravel
- Tools & Technologies : Linux/Debian, DB Modeling, Git, CI/CD Pipeline, Rest API, Postman
- Methodologies: Agile, Test-Driven-Development
- Languages: English (Fluent), French (Bilingual), Arabic (Intermediate)

Education and Certifications

- **Master of Sc. in Computer Software Engineering and Cloud Computing**

University Ibn Tofail, Kenitra

2018 - 2020

- **Licentiate in Mathematics and Computer Science**

University Sidi Mohamed Ben Abdallah, Fes

Projects

- **Crypto Portfolio API**– Developed a **Spring Boot REST API** to manage a **crypto portfolio**, consuming the CoinMarketCap (CMC) API for real-time cryptocurrency prices. Integrated a **portfolio service** that calculates total portfolio valuation based on live exchange rates from the **exchange rate service**, providing users with up-to-date portfolio performance. See the source on [Github](#).
- **IT Support Ticket System** – Developed a **Spring Boot REST API** for managing IT support tickets, allowing employees to report and track technical issues. Features include **ticket creation, status tracking, search and filtering, and role-based access control** with **JWT authentication**. Integrated **Swagger/OpenAPI** for API documentation, enabling easy exploration and testing of endpoints. See the source on [Github](#).
- **Blockchain Certificate** – Developed a Hyperledger Fabric-based blockchain application to automate the issuance, dispatch, and management of digital university credentials (diplomas, certifications...). The blockchain network allows educational institutions to add credentials, reducing the risk of fraudulent documents. The web app was developed using **Node.js, Express.js, REST APIs**, and **Pug** for front-end rendering. See source code on [Github](#)

Certifications and Courses

- **UDEMY: The Complete Spring Boot Development Bootcamp** – Spring Boot · Spring Data · REST APIs · RESTful Web Services · Spring Security · JWT · OpenAPI · System Integration Testing.
- **UDEMY: The Complete Java Development Bootcamp** – Core Java · OOP · Collections · Lambda · Streams.

Interests

- I enjoy reading about the human brain, its complexity, and how it influences behavior and decision-making.
- Reading, Scrabble, Sudoku, Basketball, Gym, Travel.