

### Summary

Java Developer with over 6 years of experience in cloud solutions for financial and IoT projects. I have developed secure and scalable microservices in Java, integrating them with Oracle DB, SQL, MongoDB, Kafka, and external services in REST and SOAP, while leading teams and managing critical migrations. I favor Agile methodologies and effective communication to deliver innovative solutions.

### Career Highlights

- **Migration to Java 17 & SpringBoot 2.7:** Successfully migrated from Java 8 to Java 17 and from SpringBoot 2.1 to 2.7, significantly enhancing system performance, security, and maintainability. The migration involved updating software dependencies, adapting the code and the GitLab CI pipelines, ensuring minimal downtime and improved scalability.
- **Monolithic solution for Italgas:** Led the development and production deployment of a monolithic solution for Italgas, implementing features and data structures (both relational and non-relational). Coordinated a team of junior developers, enhancing system performance, scalability, and maintainability through optimized data management.
- **Microservices at Intesa Sanpaolo:** Oversaw the development of a microservices-based cloud platform for credit card management, ensuring secure data exchange and enhanced operational efficiency. Also managed defect resolution by addressing client-reported issues through agile collaboration.

### Technical Skills

Programming Languages	Java, Python, C/C++
Frameworks & Technologies	Spring, Spring Boot, Spring Cloud, Spring for Apache Kafka, JPA, REST, SOAP WebServices, Hibernate, JDBC, J2EE
Databases	SQL Server, Oracle, DB2, MongoDB
Tools	Git, Docker, Kubernetes, Openshift, GitLab, Splunk

### Experience

Since 2024 **Java Backend Developer, BBVA/GFT, Spain**

I collaborated on the development of a microservices-based platform for BBVA (Banco Bilbao Vizcaya Argentaria) with the aim of enhancing efficiency in the management of credit card requests for its employees. Specifically, I worked on creating Java microservices (BE4FE and BE), integrating Oracle DB, MongoDB, Kafka, and external services to ensure secure and scalable data exchange. During the testing phase, I handled defect resolution by analyzing logs and maintaining transparent communication with the client, which enabled quick identification of anomalies and effective solutions. The adoption of Agile methodologies facilitated iterative releases and continuous improvements to the platform, ultimately increasing both the speed and reliability of the entire credit card request process.

## 2020 - 2024 **Java Backend Developer/Team Leader**, *Italgas/Atos*, Italy

In my role, I have led key technical upgrades and architectural transformations to create more scalable and maintainable applications, focusing on containerized environments and IoT projects. Key responsibilities included:

- Leading upgrades from Java 8 to Java 17 and from Spring Boot 2.1 to 2.7, ensuring seamless transitions
  - Shifting from monolithic structures to a microservice-oriented approach, enhancing scalability and maintainability
  - Developing client-specific solutions, focusing on database architecture and application logic, to meet evolving client needs
  - Implementing REST and SOAP APIs to bolster system interoperability, crucial for integrations in containerized and IoT projects
  - Utilizing agile methodologies to manage project timelines, prioritize tasks, and deliver updates efficiently
  - Led a little team of junior developers, fostering a collaborative and innovative work environment
- This work has ensured our software solutions meet evolving client needs and industry standards, while also improving scalability and maintainability.

## 2018 - 2020 **Java Trainer**, *Begear*, Italy

As a Java Trainer at Begear, I transitioned from being a student to leading the course, sharing my passion for Java programming. I designed and delivered interactive lessons focused on Java fundamentals, programming best practices, and Spring Boot for building scalable applications. My teaching emphasized hands-on learning, encouraging students to engage with coding exercises and group projects. This role not only deepened my technical skills but also enhanced my communication and leadership abilities. Witnessing my students' professional growth and their successes in software development was incredibly rewarding. This experience has prepared me for future challenges, enriching my technical and soft skills.

## 2009 - 2014 **Diapason Analyst Developer**, *GM Italia*, Italy

Development and management of our company's enterprise resource planning (ERP) system, utilizing Diapason ERP. My key contributions included:

- ERP System Development: Led the comprehensive analysis and development of the company's ERP system, focusing on enhancing production, storage, and sales processes through:
  - Meticulous analysis of production, storage, and sales data and processes to identify optimization opportunities
  - Designing the application's architecture to ensure scalability and robustness
  - Developing UI and automation features to improve operational efficiency and user experience
- Network Management: Acted as the primary point of contact for managing the company's network infrastructure, ensuring reliable and secure IT operations
- IT Support: Provided hardware and software support, resolving technical issues to maintain business continuity and enhance productivity

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## Education

**Degree in Computer Science**, *Università degli Studi di Napoli Parthenope*, Napoli - Italy, unfinished

**High School Diploma in Information Technology**, *I.T.I.A. Manzoni*, Napoli - Italy

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## Languages

Italian	Native
English	B2
Spanish	B1

Valencia – Spain

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2/3

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## Personal Projects

**P2P-Blockchain in Java** A blockchain project born from the "TUTT-O-BLOCK" event hosted by Napoli Blockchain in Naples, Italy. This project harnesses the core technologies of Bitcoin, reimagined in Java, to offer a robust platform for learning, experimentation, and innovation in the blockchain space. Project Goals:

- Educate on blockchain fundamentals through hands-on interaction
- Challenge enthusiasts to tackle real-world problems using blockchain
- Foster Collaboration within a community sharing ideas and resources
- Drive Innovation by experimenting with groundbreaking blockchain concepts

Features and Technologies:

- Data Structure: Utilizes Java HashMaps for storing chain data
- Security: Implements digital signatures with SHA256withECDSA, provided by Bouncy-Castle
- Transaction Integrity: Addresses double-spending with a UTXO model
- Consensus Mechanism: Employs Proof-of-Work for network consensus
- Network: Builds on a P2P structure with a Discovery server for enhanced connectivity

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## Courses

- 2024 **DevOps & Cloud Engineer**, *Tag Academy*
- 2024 **Apache Kafka for Spring Developers**, *Coursera*
- 2023 **IBM DevOps & Software Engineering**, *Coursera*
- 2020 **Spring Boot Developer**, *Coursera*
- 2018 **Java Developer**, *Begeer*