





# JOSE RAMON PRIETO DEL PRADO

## SOFTWARE ENGINEER

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## WORK EXPERIENCE

### Software Engineer

#### BBVA Technology

July 2023 - Actual

- **Enhanced Global Banking Solutions:** Developing and enhancing the BBVA Pivot Connect platform, a global corporate banking solution consolidating accounts worldwide, providing real-time visibility into balances and transactions across all accounts.
- **Java & Spring Expertise:** Built and maintained the balances and movements module using **Java** and **Spring** with BBVA's internal APX architecture (structured into transactions, libraries, and DTOs) to ensure scalability, maintainability, and optimal performance.
- **Database Management:** Utilized multiple databases for specialized contexts: **Elasticsearch** to store all the traceability of the application, **MongoDB** for all the balance and movement messages that the app receives, and **Oracle SQL** to store all the account configurations.
- **Financial Automation:** Implemented cashpooling rules to automate fund transfers across corporate accounts, optimizing liquidity and reducing manual intervention.
- **Cloud Deployment & Infrastructure as Code:** Deployed solutions using Ether Cloud Platform, leveraging stacker and main-controller (similar to **AWS CloudFormation**) to manage hybrid resources across **on-premise**, **AWS**, and **GCP**.
- **Collaboration & Cross-functional Teams:** Worked closely with cross-functional teams, including product, operations, and security, to deliver highly scalable, secure, and reliable banking solutions.
- **AI tools:** Using my **GitHub Copilot** license every day to make my work more productive. It allows you to focus on complex developments and help in the more generic and boring development, achieving better times and reducing the time to zero of those simpler, repetitive and boring tasks, performing its job as a co-pilot properly.

### Java Software Engineer

#### UST Global

August 2022 - July 2023

- **High-performance Application Development:** Engineered and maintained a high-traffic **Java** application designed to handle significant data throughput via **MQ queues** and **web services**. Focused on writing efficient, optimized code and ensuring quality through comprehensive unit, integration, and system tests.
- **Automation & Scripting:** Developed **BASH** scripts to automate daily tasks like listing and managing **SSH** tunnels and **Docker containers** with **fzf**, increasing operational efficiency.
- **Architectural Leadership:** Advocated for and implemented **SOLID** principles, hexagonal architecture, and Domain-Driven Design (**DDD**) to improve code organization, readability, and flexibility. Successfully decomposed the application into **bounded contexts**, enhancing team independence and scalability while minimizing infrastructure costs.

### Software Engineer Internship

#### Stratesys

February 2022 - August 2022

- **Full-stack Development:** Contributed to both backend (with **Java** and **Spring Boot**) and frontend (with **Angular**) development for corporate software, improving the management of business opportunities across the company.
- **Keycloak & Cloud Integration:** Set up and managed a **Keycloak** server with **Docker** and deployed it on **Azure**, enabling secure user and permissions management across different client realms.
- **DevOps & CI/CD Optimization:** Solved concurrency issues in the **GitHub Actions** pipeline by preventing conflicting deployments, improving continuous integration flow for the development team.

### Full Stack Software Developer

#### Pixelware

March 2018 - September 2018

- **API Development & JPA:** Implemented new **API** endpoints and enhanced data models using **Spring** and **JPA**, contributing to new functionalities in ongoing projects.
- **Spring Framework Proficiency:** Took on a learning challenge to deepen skills in **Spring Framework** and **Java** backend development, laying a strong foundation for future development roles.

## PERSONAL PROJECTS

- **FinanzYou**. Financial application that allows you to manage your portfolio, where you can see a complete overview of your portfolio. The application consists of two parts, including the backend, which serves me among other things to know what stocks each user has in their portfolio, the technology used was **Java** simply for ease and being the tool I know best and it was a university project. I also used **Spring Boot** as a framework because it makes it very easy to implement APIs with Java. The other part would be the frontend, which is about connecting to other APIs to get the value of each Stock and do all the corresponding portfolio calculations among other things. For the web part I used **Vue JS** as experimentation, with which I learned how to build a web using reusable components with this framework. Application source code available at [github.com/jpriet096/finanz-you-frontend](https://github.com/jpriet096/finanz-you-frontend) and [github.com/jpriet096/finanz-you-backend](https://github.com/jpriet096/finanz-you-backend).
- **MySeries**. Android application for the management of series, movies and TV shows. It consists of the frontend part, where the application is modeled, and the most interesting part, which is the backend, which accesses the resource layer to know which user saves which movie, series, etc. among other things. The novelty of this application is its push notification system implemented with **firebase**, which works as a queue and every time an event is generated a custom notification is sent to the user. The backend was implemented with **Kotlin** as experimentation, to test coroutines, etc... Source code available at [gitlab.com/jpriet096/myseries](https://gitlab.com/jpriet096/myseries)
- Portfolio of the rest of smaller projects I'm doing in my GitHub like minigames or miniprojects, exercises about data structures, trying and testing other programming languages, new frameworks, libraries, etc...- [github.com/jpriet096](https://github.com/jpriet096)

## PERSONAL PROFILE

Software engineer with more than 3 years of experience specialized in the implementation and maintenance of backend microservices. I excel in the selection of appropriate architectures and design patterns adapted to the specific needs of each project, prioritizing maintainability and scalability. While my main expertise lies in backend architectures developed with Java and Spring Boot, I believe that technology is merely a tool, the most crucial aspect of my role is to analyze and identify problems, and develop effective solutions.

I leverage AI tools such as GitHub Copilot or chat GPT on a daily basis to improve my efficiency and productivity, allowing me to be focus in complex tasks and tackle challenges faster and deliver high quality results.

## EDUCATION HISTORY



### DevOps Master

UNIR

2023-2024

Learning DevOps tools, AWS, Azure, Security DevOps, Cloud Computing



### Software Engineering

Universidad Complutense de Madrid

2018-2022

Average Mark: **8.28**/10. Honors Degree obtained in Data Structures (2020) and Advanced Databases (2021)



### Computer Science

University of Hertfordshire

2021-2022

Exchange student for one semester through the Erasmus 21/22 program



<https://jpriet096.github.io/cv/>



Microsoft Certified: AZ 900 Azure Fundamentals

Link to certification:

[https://www.credly.com/badges/56fcbd43-2e56-4e2c-ad69-094408fbacf4/linked\\_in\\_profile](https://www.credly.com/badges/56fcbd43-2e56-4e2c-ad69-094408fbacf4/linked_in_profile)