JOSE RAMON PRIETO DEL PRADO

BACKEND SOFTWARE ENGINEER

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PROFESSIONAL PROFILE

Software engineer with over 4 years of experience specializing in the implementation and maintenance of backend microservices. My primary expertise is in *Java* and *Spring Framework*, and I excel at **selecting appropriate architectures** and **design patterns** to prioritize **reliability**, **maintainability** and **scalability**. I use **AI tools** and **LLMs** such as *Gemini, ChatGPT, Anthropic, Lovable, GitHub Copilot or Grok* on a daily basis to **automate repetitive tasks, generate ideas, and create optimized workflows to be much more productive**.

CORE SKILLS

Languages & Frameworks: Java, J2EE, Spring Framework, Kotlin, Vue.js, Angular, APX, ASO.
Systems administration: Linux, advanced command-line proficiency, bash scripting, task automation, process management and resource monitoring.
Architecture & Design: Microservices, Hexagonal Architecture, APX Architecture, Domain-Driven Design (DDD), SOLID Principles.
Databases: Oracle SQL, MySQL, MongoDB, Elasticsearch.
Cloud & DevOps: AWS, Azure, GCP, Docker, GitHub Actions, Jenkins, CI/CD, Stacker, Main-Controller.
Methodologies: Agile Methodologies (Scrum, Kanban).
Other Tools: Git (Github, GitLab, Bitbucket), Jira, Keycloak.
LLMs: Gemini, ChatGPT, Anthropic, Lovable, GitHub Copilot, Grok.

WORK EXPERIENCE

Backend Software Engineer
BBVA Technology
July 2023 - Actual

- **Engineered and developed a highly scalable microservices-driven solution** using **Java** and **Spring**, following the internal bank **APX architecture** for optimal performance and maintainability.
- **Co-led a team of 7 developers** to carry out upgrades in an organized and efficient manner, **resulting in significant improvements in productivity and delivery time**.
- **Enhanced productivity by over 30%** through the daily use of **Gemini, GitHub Copilot and other LLMs**, allowing a focus on complex problem-solving and accelerating the completion of routine, repetitive tasks.
- Participated in the **migration of a monolithic legacy application to microservices**, **enabling greater scalability and maintenance of the application**.
- **Architected a multi-database strategy**, leveraging **Elasticsearch** for comprehensive application traceability, improving efficiency when reviewing the traceability of the application, **MongoDB** for handling high-volume balance and movement messages, and **Oracle SQL** for secure account configurations.
- **Managed hybrid cloud deployments** across **on-premise, AWS, and GCP** using **Infrastructure as Code (IaC)**, ensuring consistent and reliable resource management.
- **Collaborated in the automation of development and continuous delivery processes using Jenkins, significantly reducing deployment times.**
- Collaborated in the implementation of **agile methodologies, accelerating development cycles and software quality.**

Java Software Engineer
UST Global
August 2022 - July 2023

- **Developed and maintained a high-performance Java application** designed to **handle significant data** throughput from **MQ queues** and **web services**.
- **Enhanced system efficiency** through **optimized code** and comprehensive **unit, integration, and system testing**.
- **Experienced in Linux environment administration: Process management, resource monitoring, and development environment setup**.
- **Automated routine administrative tasks using BASH scripts**, including the management of **SSH tunnels and Docker containers** with **fzf**. This **significantly increased operational efficiency** and reduced manual effort.
- **Led the implementation of modern software design principles**, including **SOLID, hexagonal architecture, and Domain-Driven Design (DDD)**. This architectural refactoring **improved code quality, readability, and flexibility**, allowing for a more **scalable** and **cost-effective** solution.
- **Successfully decomposed a monolithic application into bounded contexts**, which not only **enhanced team independence and accelerated development** but also **led to a more scalable architecture with reduced infrastructure costs**.

Software Engineer Internship
Stratesys
February 2022 - August 2022

- **Engineered a full-stack corporate software solution**, contributing to both the **Java/Spring Boot backend** and the **Angular frontend**. This initiative **successfully improved the management of business opportunities** across the entire company, **leading to more efficient processes**.
- **Implemented and managed a Keycloak server on Azure using Docker**, establishing a **robust and secure system for user and permissions management across multiple client realms.**
- **Optimized the CI/CD pipeline by resolving critical concurrency issues in GitHub Actions**, which **significantly improved the continuous integration flow** and **accelerated the deployment cycle** for the development team.

Full Stack Software Developer
Pixelware
March 2018 - September 2018

- **Engineered and implemented robust new API endpoints** and enhanced data models using **Spring** and **JPA**, **adding critical functionalities** to ongoing projects.
- Demonstrating a proactive approach to professional growth, I took the initiative to **deepen my expertise in the Spring Framework** and **Java backend development**, building a solid foundation that now enables me to **deliver high-quality, scalable solutions** and **quickly adapt to new challenges**.

PERSONAL PROJECTS

FinanzYou

A comprehensive full-stack financial application for investment portfolio management.

- Engineered a secure and efficient Java backend with Spring Boot to manage user portfolios and stock data via a robust API.
- Developed a dynamic Vue.js frontend with a modular design, which connects to external APIs to provide users with real-time stock valuations and accurate portfolio calculations.

Source Code: Frontend | Backend

MySeries

An Android application for managing series, movies, and TV shows.

- Designed and implemented a user-friendly frontend to enhance the user experience for managing media collections.
- Built the backend in Kotlin to explore advanced features like coroutines and asynchronous programming.
- Integrated a push notification system with Firebase to send custom, event-based notifications to users.

Source Code: MySeries

EDUCATION HISTORY

DevOps Master
UNIR
2023-2024

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

Computer Science
University of Hertfordshire
2021-2022

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

Software Engineering
Universidad Complutense de Madrid
2018-2022

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

CERTIFICATIONS

Microsoft Certified: AZ 900 Azure Fundamentals

Link to certification:
https://www.credly.com/badges/56fcbd43-2e56-4e2c-ad69-094408fbacf4/linked_in_profile

AWS Certified Cloud Practitioner

Link to certification:
hhttps://www.credly.com/badges/8956ad6c-1bc2-49c9-9915-29785b8c431f