



Maria Parreira

Junior Software Developer

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About Me

I am 27 years old and originally from Évora. Since completing my initial graduation in Veterinary in 2022, I have been working in animal health in the northern of Portugal, where I gained experience over two years. During this time, I developed strong problem-solving skills and attention to detail while discovering the power of teamwork.

My passion for travel led me on a one-month adventure through Thailand in 2023, enriching my cultural awareness and fostering personal growth.

Driven by a love for new challenges and continuous learning, I recently completed a postgraduate degree in Software Development. Transitioning to software development has been a fulfilling and exhilarating experience. I am passionate about coding, creating innovative solutions, and continually learning new technologies. My motivation, enthusiasm and resilience drives me to embrace new challenges.

Languages

English B2

Portuguese Native Speaker

Education

October 2023 – July 2024 : Postgraduate in Software Development, SWITCH

Instituto Superior de Engenharia do Porto (ISEP)

I successfully completed an intensive and challenging one-year postgraduate course, gaining practical skills in software engineering. This course covered everything from the fundamentals of algorithms to the development of a web application, specifically a "Smart Home" application. Throughout the course, it was utilized the Scrum methodology. The following concepts were applied in the project developed during this course:

Backend Development (Java):

- Domain Driven Design : Model the Domain layer Identifying entities, value objects, aggregates, repositories and services.
- Onion Architecture: Separation of responsibilities between layers, with the core of the application focusing on the domain.
- SOLID: Design the project to be modular, loosely coupled, easier to test and maintain.
- SpringBoot: Apply IoC and Dependency Injection principles.
- API Rest: Build REST controllers to expose application resources to the outside.
- Visual Modeling: Visual representation of the project from different perspectives and levels of granularity.
- UML: Create class diagrams, sequence diagrams, and component diagrams.

Database:

- Spring Data JPA + Hibernate: Map java objects to database entities, making it easier to manage persistente data.
- Maria DB as relational database and also H2 as In memory database.

Software Testing:

- TDD: First create and run a failed test and then build small units of code until test pass. Then keep improving the code quality assuring tests keep passing during this process.
- Unit Tests: Isolated unit testing using Mockito.
- Integration Tests: Tests components in a integrated way allowing to test entire flows.

Frontend Development (Javascript):

- REACT.JS: Create an interactive and responsive user interface, structured components, managed application state, and make calls to the backend using Axios.

DevOps:

- GIT: Collaborated with a team using Git for version control, where each member committed their changes.
- Docker: Build images using Dockerfiles, Docker Compose, and run containers using docker cli commands.
- Jenkins: Create CI/CD pipelines for automated build and deployment process for application.

September 2015 – February 2022 : Master's Degree in Veterinary Medicine

Universidade de Évora

Previous Experience

Veterinary Medicine

February 2022 – September 2023

Ensuring positive client experiences while providing medical care. Attention to detail and data analysis skills, prepare detailed reports, and communicate results to clients. Solve complex problems in a team setting.