



Contact Information

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About Me

I am 27 years old and originally from Évora. Since completing my initial graduation, I have been working 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 completed a postgraduate degree in Software Development. 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

INSTITUTO SUPERIOR DE ENGENHARIA DO PORTO
Postgrad Software Development - SWITCH
(September 2023 - July 2024)

UNIVERSIDADE DE ÉVORA
Msc Veterinary Medicine
(September 2015 - February 2022)

Maria Parreira

Software Developer

Experience

SWITCH PostGrad

Smart Home Project

Responsibilities: Contributed to the development of a web application aimed at providing a solution for efficient home resource management. Worked on the backend development, implementing features based on business requirements by applying Domain-Driven Design, Onion Architecture and SOLID principles. Developed REST API to expose application resources. All code functionalities were developed under unit and integration tests. Collaborated on developing a dynamic and responsive user interface. Contributed to project documentation by creating sequence diagrams, class diagrams, and component diagrams to illustrate system interactions and architecture.

Technologies used: Java 21, Spring boot, React, Javascript, CSS, Docker, MySQL, Spring data, Hibernate, Mockito, JUnit, UML, MariaDB, Maven, Git, GitHub.

Methodology: Worked in an agile development team using Scrum, actively participating in sprint planning, daily stand-ups, and retrospectives.

Key learnings: Hands-on experience in designing modular, loosely coupled systems that are easy to test and maintain, ensuring alignment with user needs and system goals.

DevOps Assignments

Responsibilities: Worked on a project involving a web application and an H2 database. Used Vagrant to create two virtual machines—one for the web app and one for the database. Built Docker images for both servers, published them on Docker Hub, and managed them with Docker-compose. Created Kubernetes YAML files for deployment and set up a Jenkins pipeline to automate the build, test, and deployment process, including code checkout, project assembly, test execution, Javadoc generation, artifact archiving, and Docker image publishing.

Technologies used: Git, Vagrant, Docker, Kubernetes, Jenkins.

Key learnings: Hands-on experience in containerization and orchestration using Docker and Kubernetes. Skills in automating continuous integration and continuous deployment processes with Jenkins.

Personal Projects

Github/maria-parreira

Lost and Found API

Description: A backend REST API developed to facilitate the reporting and searching of lost or found items.

Technologies Used: Node.js, Express, MongoDB, Git, Docker-compose, Postman, Github CI Pipeline.

Key Features: Implemented CRUD methods. Implemented secure JWT-based authentication for user access control. Designed controllers to handle requests, including lost item management, user registration, and login. Configure middleware and routes to handle incoming requests securely and efficiently. Utilized Docker Compose to manage and link backend and database containers.