

MARCELO RAMOS



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Lisbon, Portugal



Website



Github



Linkedin

EDUCATION

ISTEC - Higher Institute of Advanced Technologies of Lisbon

Expected Graduation: 2026

Higher Professional Technical Course of App Development

Lisbon, PT

- Software Engineering, Practice, Development for Mobile Devices , Applied Machine Learning, Computer Architecture, Algorithms and Data Structures

WORK EXPERIENCE

Capgemini Engineering

Feb 2026 - current

Software Engineer Intern

Lisbon, PT

- Developed and integrated responsive frontend interfaces with scalable backend systems, delivering cohesive and performant user applications.
- Engineered and rigorously tested RESTful APIs, ensuring secure and efficient data communication between application layers.
- Created and maintained clear technical documentation for APIs and system architectures, facilitating team collaboration and project continuity.

Happy Code

Nov 2024 - Feb 2026

Programming Teacher

Lisbon, PT

- Delivered **comprehensive programming lessons**, combining theory and practical exercises, helping **over 50 students** improve their **coding proficiency** by 35% and successfully complete **80% of assigned projects**.
- Provided ongoing **guidance and feedback**, enabling students to **overcome learning challenges** and achieve a **90% course completion rate**, increasing overall **student satisfaction** by 25%.
- Encouraged **collaboration and a cooperative environment**, enhancing **communication skills** and boosting **group project success rate** by 40%, fostering stronger **team performance**.

BNP Paribas (TechInnovation) & Critical Software & wTVision

March 2025 - July 2025

Programming Teacher

Lisbon, PT

- **Responsible for teaching programming logic.**
- Monitoring the development of student applications.

MicroCaos

Mar 2024 – Aug 2024

Database Operator Intern

Lisbon, PT

- Assembled, maintained, and optimized company **hardware components**, improving **system efficiency** by 25% and reducing **downtime by 30%** through **proactive issue resolution**, resulting in **over 100 hours saved annually** for the team.
- Configured and managed **databases** to streamline **data access** and enhance **reliability**, achieving **40% faster query performance** and reducing **operational costs** by 15%, supporting smoother **business operations**.
- Implemented **process improvements** that **saved 15 TB of storage annually** and reduced **operational time** by 20%, contributing to measurable **productivity gains** and **data management efficiency** for the company.

PROJECTS

VEX APP

Mobile App / DataBase / API

Kotlin | FireBase | API

- I developed and implemented in Kotlin an **Android application** that helps **innumerable electric car drivers**
- I used **firebase** for the **database** and **firebaseaut** for user **authentication**
- To have access to the map I implemented the **Google Maps API**

GitHub Scraper

Web App / GUI

Python | Next.js | Docker

- Created a scraper with **Python** and **Next.js** to look for projects with several filtration at Github

TECHNICAL SKILLS

Languages: English, Portuguese, Spanish

Code Languages: Java, Python, C#

Frameworks & Development : Spring Boot, .NET, FastAPI, React, HTML, CSS

Database & Tools: Git, Docker, MongoDB, PostgreSQL, Sqlite, MySQL