

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 **firebaseauth** 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