



# Gonçalo Amaro

SOFTWARE ENGINEER

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## Skills

### Programming Languages

JVM Ecosystem (Java and Kotlin), Shell Scripting, SQL, MongoDB Query Language

### Backend Development

JVM Ecosystem (Spring Boot, Micronaut), RESTful APIs, Microservices, Database Management

### Frontend Development

Basic React and Preact with HTML, CSS, JavaScript triad

### Languages

Portuguese (Native), English (Fluent)

## Experience

### Link Consulting

Lisbon, Portugal (Remote)

ASSOCIATE CONSULTANT (JAVA BACKEND DEVELOPER)

Feb. 2023 - Present

- EMS - Maritime Safety (Dec. 2025 - Present)

- Integrated into a smaller team with the task of taming the jungle of old WebLogic services that support EMSA's safety and monitoring systems for European waters.
- Focused on refactoring and migrating legacy services to modern Spring Boot applications, improving maintainability and performance.

- MaxMat - Retail (Nov. 2024 - Dec. 2025)

- Worked on the Azure architecture for MaxMat's warehouse management and international e-commerce integrations.
- Initially focused on designing backend solutions to streamline operations and enable seamless integration with external systems.
- Later led the Dev core team, while focusing on the DevOps side of the project, implementing CI/CD pipelines and infrastructure as code using Bicep and Azure native services.

- HF GIRO - Public Transport (Feb. 2023 - Nov. 2024)

- Worked on the HF GIRO system, the public transport solution for Madeira, enabling better management of ticketing and transportation networks.
- Developed backend services with Java and Spring Boot, ensuring seamless integration with payment systems and real-time data processing.
- Addressed technical challenges, including ensuring high availability and scaling the system for increased usage during peak times.

### Link Consulting

Lisbon, Portugal

JUNIOR CONSULTANT (JAVA BACKEND DEVELOPER)

Jul. 2022 - Feb. 2023

- Transportes Metropolitanos de Lisboa (TML)

- Contributed to developing the Transportes Metropolitanos de Lisboa system, managing public transportation across the Lisbon metropolitan area.
- Focused primarily on backend development with Java and Spring Boot, while also handling challenges in frontend and DevOps.
- Worked on payment gateway integration, ticketing systems, and data management systems to support operational needs.

### Optiply

Évora, Portugal

BACKEND INTERN

Mar. 2022 - Jun. 2022

- Backend Internship

- Completed a three-month internship in backend development. The internship consisted of a formative phase with Udemy courses and a project phase.
- Developed a reactive microservice in Micronaut to manage webshop specifications and settings, storing data in a PostgreSQL database and using Project Reactor, gRPC, and Protobuf.

### NOVABASE

Lisbon, Portugal

CYBERSECURITY INTERN

Nov. 2016 - Feb. 2017

- Wireless Intrusion Detection System (wIDS)

- Participated in a professional internship focused on a wireless intrusion detection system (wIDS), which expanded my knowledge in penetration testing, networks, Linux, and coding.

### Vodafone Portugal

Lisbon, Portugal

TECH SUPPORT INTERN

May 2016 - Jun. 2016

- Call Center Operations Training

- Completed a school internship aimed at skill development. The experience primarily involved training for call center operations with limited exposure to technical work.

# **Education**

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## **IPBeja (Instituto Politécnico de Beja)**

UNFINISHED MSc IN CYBERSECURITY

*Beja, Portugal*

*Sept. 2022 - July 2023 (Paused)*

- **Coursework Focus**

- Completed coursework on cybersecurity principles and practical implementations. Paused to explore other interests.

## **IPBeja (Instituto Politécnico de Beja)**

BSc IN COMPUTER SCIENCE

*Beja, Portugal*

*Sept. 2018 - July 2022*

- **Key Focus**

- Focused on practical project-based learning, including app and service development, network infrastructure deployment, and data science.
- Gained hands-on experience in software development, project management, and teamwork.

## **IPE (Instituto dos Pupilos do Exército)**

IT EQUIPMENT MANAGEMENT TECHNICIAN

*Lisbon, Portugal*

*Sept. 2012 - July 2017*

- **Certification Highlights**

- Earned a professional IT Technician certification. Activities included Linux Users Group and Entrepreneurship.