Maria **Duarte**

SOFTWARE ENGINEER

Dublin, Ireland · Lisbon, Portugal

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Summary

I hold a Master's degree in Computer Science and Engineering and have over a year of experience as a working student, during which I developed strong time management skills and discovered a strong interest in backend development and SQL. I am now looking for a new opportunity to work as a Software Engineer where I can continue to challenge myself. I am motivated, hardworking, focused, and deeply enjoy logical and analytical thinking.

Work Experience

Link Consulting   *Lisbon, Portugal*

SOFTWARE ENGINEER - BACK-END   *Feb. 2024 - Jan. 2025*

- Fully designed and implemented a data retrieval feature using SQL-based queries, replacing an inefficient graphic querying system. This improved **query execution performance** by **96%**.
- Contributed to the development of key features in an Enterprise Architecture platform, greatly improving the user experience for major governmental organizations in Portugal.
- Worked in an Agile environment and independently managed tasks and development priorities.
- **Tech Stack**: Java, Spring, MySQL

Link Consulting   *Lisbon, Portugal*

SOFTWARE ENGINEER TRAINEE - BUSINESS ANALYST   *Sep. 2023 - Feb. 2024*

- Worked as an **IT Business Analyst** for a leading governmental organization in Portugal, designing strategic views of IT systems to identify bottlenecks and support business improvement.
- Created a generalized metamodel to simplify the integration and import of client data across business, data, application, and technology domains.
- **Certificates**: TOGAF (The Open Group Architecture Framework)

Education

Instituto Superior Técnico (IST)   *Lisbon, Portugal*

MSc IN COMPUTER SCIENCE AND ENGINEERING   *Sep. 2022 - May. 2025*

- With focus on Information Systems and Artificial Intelligence.

Instituto Superior Técnico (IST)   *Lisbon, Portugal*

BSc IN COMPUTER SCIENCE AND ENGINEERING   *Sep. 2018 - Jul. 2022*

- **Project of interest**: Implemented a new feature for a large quiz platform using Java, Spring, and Vue.js.

Skills

Technologies	Spring, FastAPI, MySQL, PostgreSQL, Vue.js, HTML, Git
Programming Languages	Java, Python, SQL
Speaking Languages	English (B2), Portuguese (C2)

Personal Projects

Albus: Web application for managing albums and artists, built with Python, FastAPI, and PostgreSQL.

Extracurricular Activity

Tuna Feminina do Instituto Superior Técnico (TFIST)   *Lisbon, Portugal*

MEMBER   *Nov. 2021 - Mar. 2024*

- Managed internal operations, including task planning, scheduling, and group coordination for smooth functioning.
- Had a central role in professional presentation during public events.
- Managed communications and partnerships with food vendors, sound and lighting providers, and logistics teams to support various big music events.