

Mariana Valente

Information Technology Degree

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Github: [mariannerv \(Mariana\) - GitHub](#)
| Address: Lisboa, Loures | Willing to relocate internationally

Professional Profile

I have a strong foundation in backend programming and computer networks, along with some knowledge in areas related to cybersecurity, which I aim to continuously apply and expand. I am characterized by a fast learning ability, resilience, and a high level of attention to detail in all the tasks I undertake—skills I have developed during my years at university.

KEY PROJECTS DEVELOPED

Final Degree Project | PeA (Perdidos & Achados) | September 2023 – June 2024 | Technologies: Laravel 10, Bootstrap, Git, MongoDB, Google Cloud (GCP), Apache 2, Bash, Postman, HAProxy;

- Project Manager;
- Developed the entire REST API in **Laravel**;
- Implemented load balancers and servers using **Google Cloud (GCP)** and **HAProxy**;
- Developed Bash scripts to automate the application's build and deployment, promote elasticity between virtual machines (VMs), and create firewall rules to block IPs based on countries.
- Conducted fault tolerance testing on load balancers, servers, and databases.
- Performed vulnerability testing following **OWASP** documentation.
- Carried out API acceptance testing with **Postman**.

Web Applications and Services Project | Lisboa + Perto | February 2024 - June 2024 | Technologies: PHP, MySQL, Javascript, AJAX, NuSOAP;

- Designed and implemented the **SQL database**.
- Implemented CRUD operations + occurrence search/filter using **PHP**.
- Developed the occurrence management page for employees with **PHP** and **CSS**.
- Implemented user-staff chat feature using **AJAX**.
- Implemented Login/Logout functionality with **PHP**.

Information Security Project | mySNS System | February 2024 - June 2024 | Technologies: Java

- Implemented the complete logic for sending and processing commands on both server and client sides.
- Developed the hybrid encryption and decryption system, including secure file transfers and error handling.
- Led the implementation of the server's admin functionality.
- Implemented the command for creating new users with secure password storage using salts and hashing functions.

Education

Information Technology Degree | *Faculdade de Ciências da Universidade de Lisboa (FCUL)*

2020 – Expected Jan 2025

Bachelor's in Management (incomplete) | ISCAL | *Completed 68/180 credits*

2018-2020

EXTRACURRICULAR ACTIVITIES

- **Volunteer at Websummit** – *November 2019*
 - **Volunteer at Lisboa Games Week** – *December 2019*
 - **Volunteer at União Zoófila (Animal Protection Association)** – *July 2022 to September 2022*
 - **HTB Cyber Apocalypse 2021 (Capture the Flag Event)** - *April 19, 2021 - April 23, 2021*
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SKILLS

- **Languages Spoken :**
 - Portuguese – Native
 - Inglês - Fluent (C2 Level)
 - Spanish - Conversational
 - **Skills:** Python, Java, SQL, PHP, Google Cloud (GCP), Laravel 10, MongoDB, Bash, Git, Metodologias Agile, Docker
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References available upon request