



Hugo Leal

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ABOUT ME

I'm eager to learn and to acquire new skills, I'm motivated by solving problems and creating solutions. I have developed projects independently and for college, such as Python and Java efficient solutions, database projects, and web applications, among others. Recently, I have also developed an enthusiasm for making fast software and trying to push hardware to the limit.

In my free time, I'm passionate about retro computing (where I also try to use my software development skills) and music.

In the past, I've worked in a summer internship for the data science team at Farfetch, where I developed a plugin-based web application that allowed the creation of multiple types of tools to help validate datasets. I'm working in a research grant at Instituto de Telecomunicações, where I maintain and improve the distributed management system for the city's data platform. Currently, I'm looking for new opportunities in the software engineering field.

WORK EXPERIENCE

1 APR 2022 – 31 DEC 2023 Aveiro, Portugal

SOFTWARE ENGINEER & DATA PLATFORM MANAGER IT2 - RESEARCH GRANT

As a DevOps engineer, I am maintaining and developing a Kubernetes data platform to aggregate and handle IoT data influx from multiple sensors around the city of Aveiro. I used Apache Kafka, Flink, Camel. I also developed a Java solution to synchronize cache and self-deploy configurations on this data platform.

I have also audited the existing platform for problems and maintained multiple solutions like node.js, broker services (Kafka/ MQTT/Fiware Orion), relational databases and non relational databases and event driven software architectures

1 AUG 2021 – 1 OCT 2021 Porto, Portugal

FULL STACK DEVELOPER SUMMER INTERNSHIP AT FARFETCH

I created a Python flask web application to help validate datasets used in machine learning algorithms. This application was developed with plugins in mind, allowing for multiple types of validation questions.

EDUCATION AND TRAINING

AWS ACADEMY GRADUATE - AWS ACADEMY CLOUD FOUNDATIONS AWS

10 SEP 2022 – CURRENT Aveiro, Portugal

MASTER'S IN ENGENHARIA INFORMÁTICA University of Aveiro

Website www.ua.pt | **Final grade** 17.5

1 SEP 2018 – 30 JUL 2021 Aveiro, Portugal

BACHELOR'S IN CIÊNCIAS DE ENGENHARIA DE COMPUTADORES E TELEMÁTICA University of Aveiro

Website www.ua.pt | **Final grade** 15

LANGUAGE SKILLS

Mother tongue(s): **PORTUGUESE**

Other language(s): **ENGLISH**

● **DIGITAL SKILLS**

OOP - Java, C#, C++, Python | Low Level - C, Rust | Git | SQL and NoSQL | Linux | DevsOps - Kubernetes, Docker | CI/CD (Gitlab CI) | Web Dev - Frontend | App development: Flutter & Dart, React & React native,

● **ADDITIONAL INFORMATION**

CONFERENCES AND SEMINARS

University of Aveiro

MLOps How to efficiently deploy and maintain ML solutions Gave a lecture on how to apply DevOps in a data science context, followed by a workshop on Docker

HOBBIES AND INTERESTS

Member - NeRD Developed full-stack solutions in the departments group NeRD