





# NUNO CUNHA


Software Developer

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 Aveiro, Portugal

## EXPERIENCE

2024 - Present

### Software Developer

Altice Labs

Contributed to the development and customization of a microservices-based platform for managing and configuring equipment, services, and clients.

Key Responsibilities & Achievements

- Updated the operating system and services on a client production server with 5M+ end users without service disruption.
- Participated in the migration of the codebase to Quarkus and Java 21, which added multi-tenant client support.

Technologies & Tools

- Deployed services on AWS EKS with Helm and on other environments using Ansible.
- Developed Java microservices with Docker, RabbitMQ, MongoDB, and PostgreSQL.
- Maintained and optimized monitoring using Graylog, Elasticsearch, Grafana, and Prometheus

## EDUCATION

2019- 2024

### Masters in Informatic Engineering

University of Aveiro

**Smartify Smart Home System Project**  
A smart home system that supports different brands and communication protocols, from a single interface. But also adds innovative design and features such as alarm (via email and sms) and local and remote control. It allows the user to control devices, make automations, build its own home, check devices history and energy usage. [Check the demo!](#)

**Software Engineering Project**  
A scenario whereas an CCTV company had to deploy the entire system in AWS. In this project we used Dockers, Github actions, React, Message Brokers, APIs, Redis and DBs.

**Mobility platform in Aveiro Tech City Living Lab Project**  
Mobile app in React Native where the user could see the buses predicted arrival time to the stop based on their current location and speed using a complex algorithm. This app also displayed the live traffic in the city of Aveiro. This data would be sent by the back-end service using MQTT and ORION. [Check the demo!](#)

## STATEMENT

I am a Software Developer with a degree in Informatics Engineering and hands-on experience building reliable, scalable software solutions. Skilled in Java, Python, and modern frameworks, I have worked on projects ranging from smart home systems to large-scale device management platforms in the telecommunications sector. My expertise includes backend development, microservices architecture, REST and gRPC APIs, event-driven systems (Kafka), and cloud deployment (AWS EKS, Docker, Kubernetes). I have strong experience with relational and NoSQL databases (PostgreSQL, MySQL, MongoDB) and CI/CD practices, complemented by monitoring and observability tools such as Prometheus, Grafana, and Datadog. I am passionate about delivering high-quality, maintainable software that drives real impact.

## SKILLS

Professional

Java

Python

MongoDB

PostgreSQL

K8S

Docker

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