



André Rodrigues Almeida

Curriculum Vitae

Introduction

About me

Professional with several years of experience in software development in Frontend and Backend. I am interested in deepening my knowledge in software systems conception and design, both in architectural and implementation levels.

Personal Info

Nationality Portuguese

Residence Aveiro –Portugal

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🌐 <https://www.linkedin.com/in/andre-r-almeida/>

🐙 <https://github.com/dralm3ida>

Skills

General

Platforms Windows / Linux

Programming languages JAVA, Js, C, C++, PHP, PYTHON, Shell Script, **markup**(HTML, XML) **style sheet**(CSS)

Frameworks & DB SpringBoot, Hibernate, SQLite, PostgreSQL, AngularJS, FastAPI

Tools Git, SVN, Ms-Office, LaTeX, VSCode, IntelliJ IDEA, JIRA)

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Professional Experience

Altice Labs - Aveiro

06-2021– **Fullstack Software Engineer.**

Current **Projects:**

- **VNOs:** (Virtual Network Operator) - Ongoing development of the back-end of two applications within the scope of network virtualization for operators. *VNO Manager*: application that intends to abstract the physical network of the InP (Infrastructure Provider) into a virtual network so that the VNOs can share the same physical resources independently. *VNO Portal*: each operator's network management application, so that it can manage its operations. **Tecnologias:** JAVA e Spring Boot.
- **CPEs** Project monitoring and management.

06-2015–06- **Front End Software Engineer.**

2021 **Projetos:**

- **CPEs:** (Costumer Provided Equipment) - Responsible for the design and development of the *WebGUI* client application for the various GPON (FiberGateway), DOCSIS, Entry Level terminal equipment developed at Altice Labs; Responsible for the technological follow-up of the product, namely in Smart Wi-Fi technology and its integration in the *WebGUI*. **Tecnologias:** AngularJS;
- **Smart Wi-Fi Extendor:** Responsible for the design and development of the client's WebGUI application. **Technologies:** AngularJS;
- **AGORA:** involved in the development of the Front end resource manager application for managing network equipment. **Technologies:** AngularJS;
- **WDG:** (Web Development Group) - participation in an informal company group with members from various departments with the aim of sharing knowledge of new technologies and methodologies in the context of web development.
- **OLT:** Product client web application development *WebTi*. **Technologies:** AngularJS;
- **uMSAN48V:** - Involved in WebTi client web application development. **Technologies:** HTML, JS, CSS;

08-2013– **Embedded Systems Software Engineer.**

11/2016 **Projetos:**

- **uMSAN48V:** ("triple play" terminal equipment for reuse of existing copper network) - Development of local management applications *Manager* and *CGI XML Parser*. **Technologies:** C, XML.
- **OLT:** (Optical Line Terminator) - Occasionally involved in the development of the product's core *Manager* and *CGIs* applications. **Technologies:** C, XML.
- **RFO:** (Radio Frequency Overlay) - Development of CLI application for equipment management. **Technologies:** C.

Academic education

2020–2020 **microMBA Postgraduate, Aveiro University.**

Development of skills in the area of business management, more specifically in marketing, organizational behavior, strategy, operations and finance.

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2007–2013 **Higher education**, Aveiro University, *master's* degree.
Integrated Master of Electronic Engineering and Telecommunications.

Masters dissertation:

- **Name:** Automotive Ethernet Resource Reservation;
- **Description:** Development of simulations of the resource reservation mechanism SRP (Stream Reservation Protocol) in OMNeT++. Models and simulations built in C++ over the INET framework in automotive Ethernet network scenarios.

Events

- 7, 8 and 9 of September 2018 **Sunset Hackathon 2018**, organized by Hardware city, **Themes:** Home automation; PLCs; Sensors; IoT.
Challenge: Participation in a team of 5 elements where it was proposed the development of a light control system (prototype) in a hotel room controlled by voice commands and through automatic detection of occupancy of space and movement in the room. Link: <https://github.com/r0drig/roomControlLights>
- 21 and 22 of February 2018 **Hackathon Altice Labs**, organized by Future Labs of Altice Labs, **Theme:** solve a specific problem related to Altice Labs Campus, in order to make it more practical, sustainable and dynamic. Contribute to new smart living products and services..
Participation in a team of 3 elements, having reached 2nd place – HAL2018

Additional formation

- 04-07-2019 **Workshop**, Kubernetes, organized by Altice Labs.
Platform to orchestrate services in containers and automate its deployment.
- 30-05-2019 **Techdays**, 100^o Tech Day Training Session about Docker technology, promoted by Altice Labs.
How to deploy applications in micro-service based architectures.
- 08-09-2018 **Workshop**, Raspberry Pi, promoted by Hardware city.
Introduction to raspberry pi and GPIOs.
- 15/06/2018 **Workshop**, UNITY, organized by Altice Labs.
Introduction to the UNITY tool (interactive application creation platform).
- 07/02/2018 **Workshop**, LUNA, organized by Altice Labs.
How to build interactive television applications using the LUNA platform.
- 2016 **Free Japanese Course**, held at the University of Aveiro, with the duration of 48 hours.
- 2015–2016 **Online course in “Full Stack Web Development”**, from the University of Hong Kong, sponsored by the "Coursera" education platform..
 - HTML, CSS and JavaScript
 - Front-End Web UI Frameworks and Tools
 - Front-End JavaScript Frameworks: AngularJS
 - Multiplatform Mobile App Development with Web Technologies

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- 2015 **Online course in “Software Security”**, *from the Universidade of Maryland*, sponsored by the "Coursera" education platform..
 ◦ Software Security
- 2012 **Workshop**, *Automation*, Held in Bresimar company in Cacia.
- 2012 **Free German Course**, *held at the University of Aveiro*, with the duration of 60 hours, corresponding to the A1.1 level of QECR.
- 2007 **English course**, *International House school*, Viseu.
FCE – “First Certificate in English” Achievement from the University of Cambridge, corresponding to the B2 level of QECR.

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