

João Barata Oliveira

Curriculum Vitae

Experience

Professional

- 2017–Present **NFV/SDN & OSS Infrastructure Design Engineer**, VODAFONE GROUP, Lisbon, Portugal.
Group Network Engineering & Deployment
In this position I am the SPOC for both VF-Portugal and VF-Romania but also had the opportunity to coordinate a global project. In this role my main responsibilities are:
- Design data-center infrastructure (Network, Compute and Storage) to cope with demand from other vertical and local teams.
 - Design VMware and Openstack virtualization solutions for NFV deployments.
 - Manage the procurement of the elements required to deliver the virtual infrastructure solution.
 - Interface with internal stakeholders to define the best NFV strategy given the constraints.
 - Defining a Capacity Planning strategy for the NFV and private cloud deployments.
 - Integrate all performance metrics from GNE&D NVI environments using a customized tool into the Unified Performance Management platform.
 - Coordinate the capacity management team in order to collect the required information from Design SPOCs in order to build and deliver the NVI Capacity Report.
 - Coordinate the design and implementation of a Machine Learning tool to provide insights on the infrastructure utilization and optimization.
- 2016–2017 **Telecommunications Engineer**, VODAFONE PORTUGAL, Lisbon, Portugal.
ASO IPTV division
My main responsibilities were:
- Implement changes to the IPTV Platform in conjunction with the engineering team and our suppliers.
 - Make risk analysis to the change requests issued by the engineering team.
 - Determining KPIs for the new MediaFirst Project.
 - Assuring the operations of the IPTV service of Vodafone in Portugal and troubleshoot customers' problems.
- 2015–2016 **Teaching Assistant**, FACULDADE DE CIÊNCIAS E TECNOLOGIA – UNIVERSIDADE NOVA DE LISBOA, Lisbon, Portugal.
Teaching Assistant in the Microprocessors Programming course from the first year of the Integrated Masters program in Electrical and Computer Engineering.
- 2015 **Summer Intern**, VODAFONE PORTUGAL, Lisbon, Portugal.
Summer internship in the Operations Support Systems (OSS) - Infrastructure division.
My main accomplishments were:
- Implementation of a network resources monitoring tool (Nagios).
 - Installation and configuration of visualization servers running VMWare ESXi.

2014–2015 **Co-founder and architecture engineer**, PROJECT SOCKETHIVE, Lisbon, Portugal.

Development of the backend server that enabled the device we developed to store data in the cloud and also to be accessible by the user in any web browser.

During the development of this project we participated in Microsoft's Imagine Cup and won the National Final in the Innovation track.

Academic

2013–2017 **Member of the Pedagogical Council**, FACULDADE DE CIÊNCIAS E TECNOLOGIA – UNIVERSIDADE NOVA DE LISBOA, Lisbon, Portugal.

The Pedagogical Council is a body composed by a teacher and a student from each of the university departments. It has to decide on all pedagogical matters.

I was responsible for representing the students of the Electrical Engineering Department.

2012–2013 **Vice-Chairman for Publications and Administration (VC-PA)**, ELECTRICAL ENGINEERING STUDENTS' EUROPEAN ASSOCIATION, Delft, Netherlands.

As VC-PA my main responsibilities were

- Coordination of the Publications and Administration department of EESTEC.
- Coordinating the a team of over 50 persons and to supervise the work developed by both the EESTEC's Magazine Team and Design Team.
- Along with my fellow board members, we organized our association's Congress and Chairman's Meeting (ECM).

Education

2015–Present **Master of Science in Electrical and Computer Engineering**, *Faculdade de Ciências e Tecnologia*, Universidade Nova de Lisboa, .

Specialized in Robotics, Telecommunications and Digital Systems

2009–2015 **Bachelor of Science in Electrical and Computer Engineering**, *Faculdade de Ciências e Tecnologia*, Universidade Nova de Lisboa, .

Languages

Portuguese **Mother-tongue**

French **Proficient user**

European Level C2

English **Proficient user**

European Level C2

German **Intermediate**

European Level B1

Interests

- Aviation

- Travel

- Photography

- Technology