JOÃO NOGUEIRA

₩ 30/03/1987

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KEY EXPERTISE

Fast learner, flexible and proactive team-member with the following experience and characteristics:

- · Large-scale systems
- · Multiple program. languages
- · Clean code, tests, CI/CD
- · International teams & projects
- · Agile Scrum teams
- Autonomous and self-driven

INDUSTRY EXPERIENCE

Senior Full Stack Developer

Bosch Thermotechnology

Aug 2017 - Present

Aveiro, Portugal

- Deployment and operation of Azure cloud services in a Continuous Integration / Continuous Deployment fashion
- Cross-functional development, in backend and frontend code, working in Agile Scrum within an international team on everything that might be needed to push the project forward
- Mentoring and supporting team members

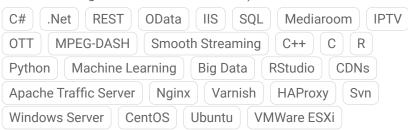


Software Developer (Research & Development)

Altice Labs (Formerly Portugal Telecom Inovação)

Aveiro, Portugal

- Major contributions to MEO IPTV large scale production services, defining their architecture and key algorithms to ensure performance and scalability goals – e.g. developer & architect of MEO Catchup-TV App, MEO Search and MEO VOD Store, with several million users every month
- Development and curation of reusable libraries / components in order to speedup new applications development, reduce production bugs, and promote clean code and good programming practices
- Planning, management, and coordination responsibilities in large national & international projects – e.g. Celtic-Plus NOTTS (8.5 Million € budget on 6 different countries) and Ultra TV



LIFE PHILOSOPHY

"A journey of a thousand miles begins with a single step."

EDUCATION

PhD in Electrical and Computer Engineering

Aveiro University

2012 - 2017

(Summa Cum Laude)

Aveiro, Portugal

Over-The-Top Multimedia Delivery: A Catch-Up TV Case Study

Dual PhD Student

Aveiro & Carnegie Mellon Universities

2011 - 2012

(A on coursework)

Aveiro, Portugal

Pittsburgh, PA, USA

Dynamic spectrum access technologies, and self-* networks.

Master in Electronics and Telecommunication Engineering

Aveiro University

2005 - 2010

(18/20)

Aveiro, Portugal

Demonstrator of Network Virtualization in Telecommunications Operators

Erasmus

Eindhoven University of Technology

2009

(9/10)

♀ Eindhoven, Netherlands

LANGUAGES

Portuguese English Spanish French Italian



INDUSTRY EXPERIENCE (CONT.)

Software Developer (Trainee Internship)

Altice Labs (Formerly Portugal Telecom Inovação)

Aveiro, Portugal

- Successfully designed & developed a Network / Cloud DVR proof-of-concept, working autonomously and proposing novel solutions to its significant technical challenges on client and server implementations – supporting mobile devices (Android & iOS)
- Key insights and technical solutions were later embedded into MEO's Catch-up TV product

C# .Net

.Net WebForms

SmoothStreaming

Mediaroom

IIS

Software Developer (Curricular Internship)

Altice Labs (Formerly Portugal Telecom Inovação)

🛗 Sep 2009 – Aug 2010

Aveiro, Portugal

- Fully responsible for the development of a Virtual Network Management, Mapping & Discovery Software in the scope of the European project 4WARD (FP7)
- Proved the viability of automated network virtualization and supported subsequent research projects such as SAIL (FP7)

Java

SWT

C Debian

XEN

libvirt



KEY PUBLICATIONS

Catch-up TV forecasting: enabling next-generation over-the-top multimedia TV services

J. Nogueira, L. Guardalben, B. Cardoso, and S. Sargento Multimedia Tools and Applications, Springer, 2018

Altice OTT Video Strategy

J. Nogueira and B. Cardoso

White Paper, Altice Labs, 2017

Over-The-Top Catch-up TV content-aware caching

J. Nogueira, D. Gonzalez, L. Guardalben, and S. Sargento

Symposium on Computers and Communication (ISCC), IEEE, 2016

Catch-up TV analytics: characterization and consumption patterns identification on a production service

J. Nogueira, L. Guardalben, B. Cardoso, and S. Sargento Multimedia Systems, Springer, 2016

Channel Selection Relying on Probabilistic Adjacent Channel Interference Analysis and Pattern Recognition

J. Nogueira and S. Sargento

Wireless Personal Communications, Springer, 2016

Thanks for reading my CV!

CERTIFICATIONS

Certified Scrum Master

Scrum Alliance - KnowledgeHut

2015

Certified Trainer

Alexandre Sarmento Formação

₩ 2011

(License 574201/2011)

Selection of lectured trainings:

- · Microsoft Mediaroom Architecture:
- · OTT Multimedia Delivery;
- · Interactive TV Applications;
- · Writing Clean Code.

Test of English as a Foreign Language

Educational Testing Service (ETS)

∰ 2010

(112/120)

Graduate Record Examination

Educational Testing Service (ETS)

₩ 2010

- · Verbal Reasoning: 640/800
- Quantitative Reasoning: 800/800
- Analytical Writing: 4.0/5

Cisco Certified Network Associate Cisco Systems

₩ 2008

Modules:

- · Network Fundamentals:
- · Routing Protocols and Concepts;
- · LAN Switching and Wireless;
- · WAN Technologies.

SELECTED AWARDS



Celtic Plus NOTTS Project

2017 | Services' Excellence Award

It's App to you - Ubiwhere 2014 | Hackaton Winner

MEO Open Awards

2013 | Best interactive TV App





Calouste Gulbenkian Fellowship 2007 – 2010 | Great performance