JOÃO NOGUEIRA

🎂 30/03/1987   📍 Aveiro, Portugal   @ joaopbnogueira@gmail.com   📞 +351 962924365

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KEY EXPERTISE

Fast learner, flexible and proactive team-member with a proven track-record on:

- 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

React	Typescript	Bootstrap	C#	.Net (Core)	MVC
WebApi	REST	OAuth/OpenId	Swagger	SQL	Azure
Dep. Injection	VSTest	Serilog	Seq	Entity Framework
JIRA	VSTS	Scrum	TeamCity	SonarQube	Git

Software Developer (Research & Development)

Altice Labs (Formerly Portugal Telecom Inovação)

📅 Jun 2012 – Aug 2017   📍 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

C#	.Net	REST	OData	IIS	SQL	Mediaroom	IPTV
OTT	MPEG-DASH	Smooth Streaming	C++	C	R
Python	Machine Learning	Big Data	RStudio	CDNs
Apache Traffic Server	Nginx	Varnish	HAProxy	Svn
Windows Server	CentOS	Ubuntu	VMWare ESXi

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)

📅 Aug 2010 – Sep 2011   📍 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` `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` `LaTeX`

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 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

🎓 **Eng. José Ferreira Pinto Basto Award**
2010 | Best graduate student

🏛 **Universidade de Aveiro Fellowship**
2007 – 2010 | University's top-20

🏆 **Calouste Gulbenkian Fellowship**
2007 – 2010 | Great performance