

Helder Reis

ELECTRONICS AND TELECOMMUNICATIONS ENGINEER

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"Technology is the commitment to never settle."

Education

Universidade de Aveiro

Aveiro, Portugal

MASTERS IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

2007 - 2013

Programme designed to provide solid training in the basic sciences, planning and projecting functions in the domains of Electronic Systems (analogical and digital), Computing, Telecommunications, Instrumentation, Automation and Control and Analysis of Signal Processing.

Instituto de Telecomunicações de Aveiro

Aveiro, Portugal

RESEARCHER

2013 - 2014

Institute focused on the research and development in the field of telecommunications. IT is actively involved in fundamental and applied research both at national and international levels. It also plays its role towards public society with public awareness initiatives, knowledge transfer to industry, and by providing consulting services on a non-competing basis.

Skills

Programming Python, C/C++, JAVA, Bash, Assembly, VHDL, CSS3, HTML5, LaTeX, MySQL

Software FPGA (Virtex) and PIC micro controllers (MPLABX IDE), Electromagnetic simulation (ADS, HFSS and CST) and circuit prototyping (CadSoft EAGLE and Altium), MatLab, NAGIOS, GIT, Microsoft SCOM

Operating Systems Windows (7, 8, 10, Server 2008, Server 2008 R2, Server) & Linux (Ubuntu, Fedora, RHEL 6.5 & 6.6)

Languages Portuguese (mother tongue), English, Spanish

Experience

Vodafone Group GmbH

Düsseldorf, Germany

SENIOR INTEGRATION MANAGER

Oct. 2018 - PRESENT

- Responsible for implementing solutions by integrating applications and features across multiple AV vendors;
- Evaluate existing components or systems in order to assess the integration of technical requirements and to ensure that final solutions meet organizational standards;
- Coordinate activities across an international team and vendors as to ensure that deployment and integration activities are carried out accordingly, so that the final product meets technical specifications and desired quality;
- Responsible for planning, managing and executing proprietary vendor specific TV solutions, mainly Mediakind and Velocix (VSPP, cDVR, MDN), as to prepare a suitable test bed for feature integration.

Vodafone Portugal

Lisboa, Portugal

DIGITAL TV ENGINEER

Apr. 2015 - Sep. 2018

- Provide, proactively, support to IPTV Systems, on IPTV 2nd line support team for Vodafone Portugal.
- Operational support to IPTV Systems for core technologies and services: OTT; CDVR; EPG; VOD; RF Overlay; Widgets (FrontEnd running on IIS and BackEnd running on Red Hat); Splunk®; SQL; IIS.
- Responsible for incident trend and analysis, problem and change management in IPTV, OTT and RF Overlay platforms;
- Knowledge on Mediaroom platform and other Ericsson specific solutions: MDN, VSPP, Scheduler...
- Responsible for managing and configuring the open source monitoring platform Centreon by assessing incident and service failures, providing a reliable service monitoring platform per host basis and developing scripts for custom network and system analysis;
- Part of the joint Vodafone/Alcatel project responsible for expanding IPTV services and customer base, being responsible for managing and planning server deployments and service availability support.

Wrinf.com

Porto, Portugal

COMPUTER ASSISTANT - SUMMER INTERN

Jun. 2011 - Sep. 2011

- Provide technical support and specialized software for enterprises and private clients
- Design and deployment of custom network solutions
- Hardware and software troubleshooting

Relevant Work

Smart Antennas for RFID Systems

Instituto de Telecomunicações

THESIS

Aveiro

Project involving intensive use of simulation and prototyping software for the creation of UHF microstrip antennae, beam forming and angle of arrival estimation algorithm development. Additionally, AD/DA interfaces and digital controllers were also developed;

Power control via the use of resistive probes

Universidade de Aveiro

WORK PROPOSED WITHIN A COURSE UNIT

Aveiro

Construction of a power controller monitored by a resistive probe;

FPGA Programming

Universidade de Aveiro

WORK PROPOSED WITHIN A COURSE UNIT

Aveiro

Study and intensive use of Field Programmable Gate Arrays (FPGA)

UHF Microstrip Filters

Universidade de Aveiro

WORK PROPOSED WITHIN A COURSE UNIT

Aveiro

Development and analysis of various passband UHF microstrip filters;

Seminars & Workshops

UNIVERSIDADE DE AVEIRO

2011	Digital Image Editing - Adobe Photoshop CS4 , Attendee	<i>Aveiro, Portugal</i>
2014	Mobile Design para Android , Member	<i>Aveiro, Portugal</i>
2014	Customizing Android Components , Member	<i>Aveiro, Portugal</i>
2014	Computer Simulation Software workshop, "CST Workshop Series 2014" , Attendee	<i>Aveiro, Portugal</i>
2014	Raspberry PI workshop, "RasParty" , Member	<i>Aveiro, Portugal</i>

LISBOA

2015	SmartTalks: Git: Introduction to GIT Versioning control , Attendee	<i>Lisboa, Portugal</i>
2015	IoT - ESP8266 - How to Control a Light Bulb through Wifi , Attendee	<i>Lisboa, Portugal</i>
2015	SmartTalks: QT Development , Attendee	<i>Lisboa, Portugal</i>
2015	RoCKin 2015 , Attendee	<i>Lisboa, Portugal</i>
2015	Le Wagon: API for Beginners , Attendee	<i>Lisboa, Portugal</i>
2015	Le Wagon: The 2 Hour Landing Page , Attendee	<i>Lisboa, Portugal</i>

MAKERFAIRE LISBOA 2015

2015	Solar Trackers Workshop , Attendee	<i>Lisboa, Portugal</i>
2015	How to Build a Multicopter , Attendee	<i>Lisboa, Portugal</i>
2015	Introduction to Arduino , Attendee	<i>Lisboa, Portugal</i>
2015	Introduction to PCB Engraving and Fabrication , Attendee	<i>Lisboa, Portugal</i>
2015	Introduction to Arduino Platform using Autodesk 123D Circuits , Attendee	<i>Lisboa, Portugal</i>

Interests

Job related

INTERESTS AND VALUES

- Great interest in the study and application of skills related to new technologies and devices
- Attendance of workshops and seminars focused on the further development of knowledge and competences
- Great interest in technological innovation and dynamic projects
- Greatly values mutual help and knowledge sharing

Personal

HOBBIES AND ACTIVITIES

- Greatly enjoys outdoor activities such as traveling, diving, snorkeling, coasting...
- Reading
- Good music
- Time with friends
- Building gadgets and experimenting new technologies