



JOSÉ RODRIGUES

Telecommunications Engineer

SUMMARY

As a telecommunications engineer I have professional experience in fixed access technologies, mainly FTTH/GPON.

My responsibilities have been focused on designing, testing and rollout of these networks.

EXPERIENCE

Vodafone PT

Telecommunications engineer

Sep 2011 – Present

Main activities:

- Deployment planning for FTTH Central Offices, including timeplan management for 3rd party installers, remote equipment configuration and validation of network aggregation elements and site logistics assurance.
- Participation in GPON fixed services design and validation (L2 mainly) for Access Network aggregation equipment's (OLTs).
- Participation in customer's premises router (L3 CPE + WiFi) requirements definition, equipment testing and roadmap discussion with vendors.
- Test new firmware releases and new features requests for OLTs and CPEs and assure its implementation along with operational teams.
- Discuss and follow bug corrections with equipment vendors.
- Security plan definition and implementation for the Access Network NEs.
- Configuration and maintenance of LINUX servers that act as network probes for NW performance assessment and fault troubleshooting.
- Manage and define network inventory with OSS teams.
- ADSL network OpEx reduction and optimization.

Relevant projects:

- Definition and implementation of the network partnership with the incumbent of over 500k homes.
- Participation on NOS network acquisition, defining equipment integration on Vodafone systems and migration activities.
- First live swap of OLT vendor on Europe on a +50k customer network.

Institute of Telecommunications

Researcher

Mar 2011 – Aug 2011

- Research scholarship in Optical Fiber in partnership with MEO and FCT, for development of a GPON reach extender.
- Two articles published in national conferences.

EDUCATION

University of Aveiro

MSc Electronics and Telecommunications Engineering *2006-2011*
Master Thesis: "Study and test of an EPON network"

ERASMUS:

VŠB - Technical University of Ostrava (Czech Republic) *2010*

CERTIFICATIONS

CCNA – Cisco Certified Network Associate

FCE – First certificate of English (Grade: B) – University of Cambridge

CONTACT DETAILS

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PROFESSIONAL ABILITIES

- System testing - Experience across multiple vendors (Huawei, Ericsson, Alcatel, Cisco, Technicolor) in testing new firmware, new features and IOT
- Project management – Experience in network deployment, build and execute time plans, manage time and resources
- Network knowledge – Understanding of access networks and technology from the operator's point of view

TECHNICAL SKILLS

- UNIX/LINUX, Windows and Mac OS and virtualization experience
- Programming skills in C#, Java, Perl, Python, VBA, Shell Script and LaTeX
- Knowledge of OSI L2/3 protocols, GPON, xDSL and Wireless 802.11x
- Expertise in Fixed Services: Internet, VoIP, IPTV and RF Overlay
- Familiar with NW tools: Wireshark, Cramer, IXIA, U2000, HPSA, ACS
- Use of standard office apps: Word, Excel, PowerPoint, Visio, Outlook
- Fluent in English – spoken and written

PERSONAL

- Excellent learning capabilities
- Strong teamwork
- Energetic and dynamic
- Team spirit builder
- Creativity and flexibility
- Punctuality
- Driving License: Yes
- Nationality: Portuguese

OTHER INTERESTS

- Sports – Football and Tennis
- Cinema, Painting
- Stocks, bets markets