
Education

- August 2009 - December 2010 **Master of Science in Information Technology - Information Security**, *Carnegie Mellon University*, Pittsburgh, PA, Final QPA: 3.83.
Thesis: "Security Analysis of Network Neighbors". Advisor: Nicolas Christin.
- September 1994 - October 1999 **Bachelor in Electrotechnical Engineering (5 years degree)**, *Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa.*, Monte de Caparica, Portugal, Grade: 14 (0-20 scale).

Experience

- October 2012 - Present **Software Engineer, Security and ID team, Portugal Telecom.**
- o Main developer and operation manager of SSO solution (<https://login.sapo.pt/>);
 - o Main developer and operation manager of identity management solution (<https://id.sapo.pt/>);
 - o Security solutions development;
 - o Tools and Technologies: Apache, Apache Tomcat, J2EE, Python, Django, Shibboleth, Memcached, SAML, OAuth, OpenID, YubiKey, Git.
- February 2011 - November 2012 **Networking and IT Security Engineer, Portugal Telecom.**
- o Development of network and IT security architectures;
 - o Development of network security program for SAPO (<http://www.sapo.pt/>) and residential ISP;
 - o Network security incident handler;
 - o Development of security vulnerabilities management tool based in the Django web framework;
 - o Development of tools to support network operation, maintenance tasks and management reporting;
 - o Tools and Technologies: IP, Cisco, DPI, OSSIM, Snort, OSSEC, CVSS, Honeypots, ExaBGP, Python, Django, MySQL, Subversion.
- April 2005 - January 2011 **Network Engineer, Portugal Telecom.**
- o Network engineering for all related services of SAPO (<http://www.sapo.pt/>);
 - o ISP services network infrastructure development. Includes RADIUS (AAA) and DNS;
 - o ISP core network QoS monitoring and engineering;
 - o Development of tools to support network operation, maintenance tasks and management reporting;
 - o Tools and Technologies: IP, RADIUS (AAA), DNS, Cisco, Alteon, Apache, *NIX, Perl, Cacti, Nagios, Centreon, virtualization.
- April 2001 to March 2005 **Software Developer and Chief Engineer, Siemens.**
- o xDSL, ATM large scale network provisioning application development for Service Provisioning;
 - o Web reporting applications development for Performance Management;
 - o Tools and Technologies: C++, CORBA, Versant Database, IBM Clearcase control versioning, Apache Tomcat, JSP and Servlets, XML, Adobe Flash and Adobe Coldfusion.
- September 1999 to March 2001 **Pre-Sales Networking Projects Manager, Telepac.**
- o ISP pre-sales networking projects management and development;
 - o Enterprise technical support for Internet solutions;
 - o Tools and Technologies: xDSL, Frame-Relay, HDLC, IP, Routing, Linux, DNS, SMTP, IMAP, POP3.

Technical skills

- Languages Advanced knowledge of Java, C++, Python and good knowledge of Perl, Bash, Assembly, HTML, XML, CFML, Adobe Flash ActionScript.

Information Security	Software and network security, cryptography, VPNs, DPI, IDS and honeypots.
Databases	Relational and Object Oriented Databases.
Devops	Ticketing and monitoring systems deployment.
Tools	Eclipse, Vi, Git, Subversion, ClearCase, OTRS, Cacti, Nagios, Centreon.
Networking	TCP/IP, BGP, Load Balancing. Hands-on experience with Cisco, Nortel and Crossbeam Equipments.

Languages

Portuguese	Fluent	<i>Native language.</i>
English	Fluent	<i>Speaking, reading, and writing.</i>
French	Intermediate	<i>Speaking, reading, and writing.</i>
Spanish	Intermediate	<i>Speaking, reading.</i>

Interests

Karaté Shotokan	Keeping the balance since 1986.
BTT	Riding a bicycle while being surrounded by nature. That is it.
Comics	Besides being an avid consumer I have also entered the amazing realm of creation (http://almiscaro.no.sapo.pt/).
Theater	Before stepping into the world of IT I worked as a professional actor.