

CURRICULUM VITAE



PERSONAL INFORMATION

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Nationality Portuguese
Date of birth 07-11-1979
ID Card 11521499

WORK EXPERIENCE

- Dates (from – to) From April 2008 onwards
- Name and address of employer PTC – <http://www.telecom.pt>
 - Type of business or sector Telecommunications
 - Occupation or position held Software Engineer
- Main activities and responsibilities Part of the identity management team at SAPO (<http://www.sapo.pt>). Responsible for the identity federation comprising internal and external entities. Design, development and deployment of:
 - Identity/profiles solution.
 - OpenID provider (<https://openid.sapo.pt>).
 - Support for multiple authentication protocols (<https://login.sapo.pt>): OAuth, OpenID, Citizen Card, etc.Technologies used: Java, C++, Python, FastCGI, Apache, Tomcat, MySQL and Memcached.

- Dates (from – to) From December 2005 to March 2008
- Name and address of employer Segula Technologies – <http://www.segula.pt>
 - Type of business or sector Engineering consulting
 - Occupation or position held Consultant
- Main activities and responsibilities Part of the SAPO (<http://www.sapo.pt>) Core development team.

Development of a complete Single-Sign-On solution for all of SAPO's portals having the ability to federate with partners. This solution was based on the Shibboleth project and follows the SAML 1.1 standard. The technologies used were Java, Tomcat, Apache, C++, FastCGI, Memcached.

Development of a new Blogs platform with high availability, performance and scalability (<http://blogs.sapo.pt>) based on LiveJournal (<http://www.livejournal.com>) and migration from the old platform. I was part of a six member team (later reduced to three) and my tasks were to design and implement the network/software architecture, development of new features and maintenance.
The technologies used were Perl, Ruby (Rails), Apache, MySQL, PerlBal, Memcached, Varnish on Linux servers.

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 - Occupation or position held
- Main activities and responsibilities

From January 2004 to March 2009

Conforme – <http://www.conforme.net>

Hosting

Systems Administrator

Installation, configuration and maintenance of Conforme's systems: Web (Apache + PHP + SSL + mod_perl), Database (MySQL), Mail (Exim + SpamAssassin + ClamAV), DNS (BIND), SSH, cPanel, FTP, POP, IMAP on a Linux platform.

Technical support to 90+ domains. 99.99% availability.

This job has given me ample knowledge in the areas of Linux administration and management of internet related services.

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From January 2004 to November 2005

Edisoft, SA – <http://www.edisoft.pt>

Software Development

Software Engineer

Land SAF - <http://landsaf.meteo.pt/> - Portuguese Meteorology Institute

The main purpose of the Land SAF is to increase the benefits from MSG and EPS data related to land, land-atmosphere interactions and biophysical applications, namely by developing techniques, products and algorithms that will allow a more effective use of data from the two planned EUMETSAT satellites. It consists in the calculation and delivery in near real time of products using data from 1.5 MSG/SEVIRI and 1b EPS/AVHRR images and perform offline calculations responding to requests received from UMARF (Unified Meteorological Archive and Retrieval Facility – EUMETSAT).

This project was developed for EUMETSAT (<http://www.eumetsat.int>) and involved various countries. Our team had 4 members and my responsibilities were:

- Design, development, integration and system tests of a number of components.
- Design, administration and support of the network and systems with High Availability.
- Design and development of the project's portal following the MVC design pattern in J2EE.
- Documentation.

During this project I mastered the following technologies: C++, CORBA (TAO and JacORB), Java (Tomcat, Struts/Tiles, Hibernate, Swing), XML (Xerces, JDom), Perl, JavaScript, MySQL on Linux, Solaris and OpenBSD.

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From July 2003 to December 2003

Link Consulting – <http://www.link.pt>

Consulting, Systems development and integration, Solutions for telecommunication operators

Developer

Development on the <http://www.pmelink.pt> portal, an online business center dedicated to the support of Portuguese Small and Medium Enterprises (SMEs) in all their business support areas with over 50 000 clients registered and over €10 million in annual sales.

Part of a 5 member team, my responsibility was to implement the business logic using the J2EE platform (Enterprise Java Beans), BEA WebLogic application servers and ORACLE databases on Linux and Solaris. Gained a lot of experience with the J2EE framework, particularly with EJB and with BEA Weblogic administration. Also spent some time learning Oracle and Solaris administration.

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From September 2002 to July 2003

Link Consulting – <http://www.link.pt>

Consulting, Systems development and integration, Solutions for telecommunication operators

Trainee

Study the Web Services, SOAP/XML technologies and their interoperability among the various platforms existent in the market and. Development of several pilot applications.

Development of distributed applications using the .NET (C#, Web Services, ASP.NET) and J2EE (Java, Web Services, Swing) platforms on Windows Server 2003 and extensive comparison of these two frameworks.

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EDUCATION AND TRAINING

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered

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- Date
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
 - Title of qualification awarded
 - Level in national classification

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- Principal subjects/occupational skills covered
 - Level in national classification

From November 1999 to May 2000

Telecel, SA – <http://www.vodafone.pt>

Telecommunications

Trainee

Development of a portal, using ASP, for pager management. Data mining on data collected at the stores of the company. Consultant in the area of new product tendencies.

From 24 November 2008 to 26 November 2008

Sysvalue – <http://www.sysvalue.com>

Secure programming for the Web.

From 29 May 2008 to 30 May 2008

WeBreakStuff – <http://webbreakstuff.com>

Ruby/Rails training. <http://wiki.webbreakstuff.com/Main/RailsTraining>.

From 18 October 2007 to 26 October 2007

Process One – <http://www.process-one.net>

Erlang programming (basics, OTP, behaviors, Mnesia), ejabberd programming.

From 11 September 2006 to 15 September 2006

BSI Management Systems Training - <http://www.bsi-training.com>

ISMS Lead Auditor Course - This course prepares delegates for the assessment process for ISO 27001 and trains them on how to conduct audits. Lead Auditors will also be trained on providing practical help and information to those working towards certification.

From 21 June 2006 to 3 July 2006

PMO Consulting - (Threon Iberia) - <http://www.threon.com>

Complete Project Management – A complete approach to the process, techniques and tools of Project Management based on standards and best practices of the Project Management Institute.

19 September 2005

Rumos - <http://www.rumos.pt>

<http://www.sun.com/training/catalog/courses/CX-310-055.xml>

Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0
79% (Approved)

From 10 January 2005 to 14 January 2005

Edisoft

Programming in Perl

Approved

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
 - Title of qualification awarded
 - Branch
- Level in national classification

From September 1997 to July 2003
 Instituto Superior Técnico of the Technical University of Lisbon
<http://fenix.ist.utl.pt/leic>

Information Technology and Computer Science engineer
 Programming and Information Systems
 14 (0-20)

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Level in national classification

From 16 March 1998 to 24 March 1998
 Information Science centre of the Instituto Superior Técnico

Computer Networks
 Approved

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
 - Title of qualification awarded
- Level in national classification

From 1990 to 1995
 Cambridge University
 Reading Comprehension, Composition, Use of English, Listening Comprehension, Oral Interview
 Certificate of Proficiency in English
 B (Good)

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

PORTUGUESE

OTHER LANGUAGES

Self-assessment
 European level (*)

English
Spanish

| Understanding | | Speaking | | Writing | |
|---------------------|---------------------|---------------------|---------------------|---------|------------------|
| Listening | Reading | Spoken interaction | Spoken production | | |
| C2 Proficient User | C2 Proficient User | C2 Proficient User | C2 Proficient User | C2 | Proficient User |
| B2 Independent User | B2 Independent User | B1 Independent User | B1 Independent User | B1 | Independent User |

(*) Common European Framework of Reference (CEF) level

TECHNICAL SKILLS AND COMPETENCES

- Software Development: OO Design Patterns, UML, RUP, .NET (ASP.NET, C#, Web Services), J2EE (EJBs, Web Services, JSP, Servlets, Swing, Struts/Tiles, Spring, Hibernate, Velocity), C++, CORBA, XML, C, Perl, Python (Django), JavaScript, PHP, Ruby (Rails), Erlang, shellsript (Bash, AWK), PL/SQL, CAML, Prolog, Assembly (x86), Flex, Bison, Lisp, Pascal
- Systems/Networks Administration: UNIX (Linux, Solaris, OpenBSD, OSX), Windows (WinNT-2003), SNMP, Traffic Shaping, High Availability
- Services Administration: Mail (Exim), DNS (BIND), WWW (Apache, Tomcat), RDBMS (MySQL, Oracle), Perlb, lighttpd, nginx
- Security: secure systems components, asymmetric and symmetric cryptography, security policies, vulnerability assessments, cryptanalysis, ISO 27001:2005 (assessment and certification)

ADDITIONAL INFORMATION

- Participated in: SAPO Codebits, SHIFT, Linux symposium "SIMPLINUX", Information Science Week of the Instituto Superior Técnico from 1998 to 2003.