



Curriculum Vitae

António Manuel de Lima Cardoso Martins

GENERAL INFORMATION

Nationality: *Portuguese*

Birth date: *November 8th, 1969*

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TECHNICAL SKILLS

IT management

Knowledge in the "Healthcare Enterprise", including responsibilities in the management of Health IT Systems.

Management of small to medium teams, in the technical and administrative area.

Experience writing technical studies and reports as well as managing project implementations, mainly in Healthcare IT. Many of his IT studies have been approved for European funding, summing more than 2M€. Participated actively in dozens of bid selections for Healthcare equipment and general IT.

Software development team management

Team management using agile methodologies, mainly Scrum. Moderate experience as scrummaster. Knowledge of quality certification requirements, including CMMi. Implementation and use of collaborative software, like gforge, cvs, svn, requirements management with IBM Requisite Pro and tests management with TestDirector. Experience managing small teams of software development for the healthcare sector.

Experience developing software using DICOM 3.0 and HL7 version 2.x. Basic knowledge of IHE and HIPAA guidelines.

Computer systems

Implementation and distribution of system management policies using Linux systems (LDAP, Kerberos, quotas, NIS, etc.) and Microsoft Windows systems (Active Directory). Knowledge of automated installation systems, as well as support help desk and remote maintenance. Management of computer network policies.

Computer networks

Maintenance of medium to large LAN's with WAN connections. Knowledge in the management of firewalls (cisco or linux), VLAN's, communication protocols and TCP/IP networks, SNMP and many other protocols. Experience troubleshooting data networks, security and auditing.

Operating systems and network protocols

Linux operating systems (mainly RedHat and SuSE), HP-UX, AIX, Microsoft Windows NT/2000/2003 Server and Professional, Windows 95/98/ME, SCO-Unix, Digital Unix, Novell. management of network services like bootp, tftp, dhpc, dns, ldap, snmp, smtp, pop3, ssl, http and many others.

Databases

Basic knowledge in MySQL, Microsoft SQL Server and Oracle databases, as well as Oracle iAS 10g, Oracle forms and reports.

Programming Languages

Complete knowledge in C, C++, Qt3, GTK, MFC – Microsoft Foundation Classes, Pascal, Clipper, Basic, Assembler, HTML, Perl, and some other programming languages.

Basic knowledge in Java, C#, JavaScript, ASP, Prolog and Lisp.

EDUCATION

IPCB - Escola Superior de Tecnologia, *Castelo Branco*

Oct 2000 Licentiate degree in Informatics engineering (3+2 years) with the final average grade of 16.

Jul 1998 Bachelor degree in Informatics engineering (3 years) – Industrial engineering, with the final grade of 15,4.

Escola Secundária de Amato Lusitano, *Castelo Branco*

Jul 1992 12th Year, technical area of electricity.

COURSE WORK

Team Management Training Program, *Lisbon - Portugal*

Apr 2008 Siemens Corporate Personnel training on team management.

MED Siemens Remote Service Basic Test, *e-learning*

Feb 2008 Course on how to use the Siemens Remote Service platform.

Mastering Requirements Management with Use Cases, *Porto - Portugal*

Oct 2007 IBM/RR611+RR331 course on project management using the Rational Unified Process.

Linux Professional Institute Certification, *Caldas da Rainha - Portugal*

Sep 2007 Passed exam 101, the first part of Junior Level Linux Professional (LPIC-1), achieved after exam 102 has been successfully accomplished.

Siemens OpenLink, Base and Toolkit Services, *Porto - Portugal*

Jun 2007 Training for the Siemens perspective of healthcare integration engine.

Oracle 9i Database Administration Fundamentals I, *Porto - Portugal*

Jun 2007 Training about managing users, roles, privileges, redo log files, control files, data files, index, backups and others.

ScrumMaster certification with Ken Schwaber, *Munich - Germany*

Oct 2006 Enables software development agility with the “scrum” methodology.

Introduction to CMMi (staged and continuous) v1.2, *Frankfurt - Germany*

Jul 2006 “Capability Maturity Model integration” is a process improvement model developed by the Software Engineering Institute of Carnegie Mellon University.

Siemens Medical HS Training Center, *Erlangen - Germany*

Nov 2004 “DICOM, HL7, CCC workshop”, structure and organization of Dicom and HL7 protocols, medical equipment Dicom connectivity problems.

Siemens International Training Center, *Lisbon*

Jun 2003 “Hipath 4000 Administration” (PABX server) course, 40 hours.

Instituto de Gestão Informática e Financeira da Saúde, *Coimbra - Portugal*

Feb 2001 Managing the Human Resources and wage application for the Portuguese Health Ministry “Recursos Humanos e Vencimentos”, 12 hours.

May 1994 **Tecnologia Informática, Lisbon - Portugal**
Sales course, with 40 hours duration, taught by Dr. Paulo Balreira Guerra.

Dec 1992 **Norma, Lisbon - Portugal**
“C” Language programming course, 20 hours.

Aug 1992 **South West English, Bristol - England**
Advanced English course, 2 weeks, with the final grade of “Very Good”.

Jul → Dec 1991 **Programa Inforjovem (Portuguese Government, European Community), Lisbon and Castelo Branco - Portugal**
Computer teaching course, with a total of 785 hours duration, with the final grade of 17.47 (out of 20).

PROFESSIONAL EXPERIENCE

Apr 2006 → Today **Siemens Healthcare Sector Portugal, Porto - Portugal**
Software engineering group coordinator of the customer service division. Manager of the software development team of the Healthcare sector in Portugal.

Jan 2005 → Mar 2006
Dec 1999 → Dec 2004 **Hospital Amato Lusitano, Castelo Branco - Portugal**
Informatics specialist in the Informatics Division.
Responsible for the informatics area.

Nov 2000 → Nov 2001 **Escola Superior de Tecnologia (IPCB), Castelo Branco - Portugal**
Teaching assistant in “Informatics Engineering course – Information technologies”, as assistant, lecturing the “Computer programming” and “Programming environments” courses.

Sep 1999 → Nov 1999 Teacher in the informatics teacher group, lecturing the 10th and 12th high-school years in the informatics area.

Oct 1998 → Aug 1999 **Hospital Amato Lusitano, Castelo Branco - Portugal**
Informatics area, responsible for supervising the installation and migration to the new structured computing network, study analysis and implementation of solutions related to the “year 2000 bug” in the computing environment. In charge of the implementation of the telemedicine initiative, and his integration with the healthcare national WAN.

1997 → 2002 **João de Sousa Baltasar Lda., Castelo Branco - Portugal**
IT consultant and engineer.

1996 → 1997 **Escola Secundária de Amato Lusitano, Castelo Branco - Portugal**
Hired teacher in the area of special techniques - Informatics (10th, 11th e 12th year) course of technologies.

1995 → 1996 Hired teacher in the area of special techniques - Informatics (10th, 11th e 12th year) courses of technologies and computing applications.

1994 → 1995 Hired teacher in the area of special techniques - Informatics (10th, 11th e 12th year) course of technologies and computing applications.

1992 → 1997 **DigiPlan - Sistemas Digitais, Castelo Branco - Portugal**
Owner/Manager of the computer services company.

1992 → 1993 **Rádio Urbana, C.R.L., Castelo Branco - Portugal**
Part-time in a radio program.

1991 → 1992 **Escola Secundária Nuno Álvares, Castelo Branco - Portugal**
Hired teacher for lecturing the courses on introduction to computer and informatics and programming techniques of the 10th year.

1990 →1991 Taught third term of system analysis and programming languages.

AWARDS

- Sep 2004 Award of “Good Practices in Information Systems in Healthcare Units” granted by *INA – Instituto Nacional de Administração*, September 23rd 2004, for the PACS implementation in the *Hospital Amato Lusitano*.
- Mar 1998 Merit scholarship awarded by the *Instituto Politécnico de Castelo Branco*, for his performance as a student in *Escola Superior de Tecnologia*.

PUBLICATIONS

- Sep 2000 “Measure and Report System in Obstetrical Ultrasound”, presented September 22nd 2000, in Vila Real University, in the “Workshop on Signal Processing in Medical Ultrasound” and published in their proceedings.

SPEAKER IN CONFERENCES AND SEMINARS

- Sep 2004 “**The PACS system of Hospital Amato Lusitano**” - Workshop Boas Práticas de Gestão de Sistemas de Informação em Unidades de Saúde - Instituto Nacional de Administração (INA).
- May, Jun 2004 “**Linux and Open Source Software in healthcare environments – case study**” - Jornadas da Saúde de 27 de Maio – Porto and Jornadas da Saúde de 17 de Junho, Lisboa - Portugal.
- Jan 2004 “**Linux in enterprise environments – the case study of Hospital Amato Lusitano**” - Escola Secundária de Amato Lusitano - presentation for students.
- May 10, 2003 “**Optimizing healthcare enterprise computing resources**” - Information systems in healthcare 2003 – ATM Informática and PT Prime, Algarve – Portugal.
- Mar 22, 2001 “**The informatics division of the Hospital Amato Lusitano – everyday tasks in computer science**” - 2nd multimedia week – Escola Superior de Tecnologia de Castelo Branco, for students of Informatics engineering from EST.
- Apr 1999 “**Security & new technologies**” - Fercab 99, Year 2000 technologies - Nercab,
- May 1996 “**Internet services – Electronic mail, WWW, FTP and IRC**” - 1st Internet show - Escola Secundária Amato Lusitano.

PARTICIPANT IN CONFERENCES AND SEMINARS

- 14-16 May 2004 **Healthcare information systems 2004** – Espinho - sponsored by ATM Informática, Philips, Sun Microsystems, Oracle and PT Prime.
- Nov 30, 2000 **HP OpenView workshop** – sponsored by ATM Informática - System Management, Storage Management, Network Management, software distribution and Internet management.
- Nov 17, 2000 **Information systems and the Internet** - Oracle, SAP and Cisco.
- Oct 18 to 22, 2000 **6th International Conference on Spoken Language Processing - ICSLP2000** – Beijing - China.
- May 23, 2000 **Voice is not enough** – sponsored by Alcatel Portugal – New communications technologies for mobile networks and voice private networks.
- Jul 1999 **Telemedicine Activities in the Central Region** - sponsored by the Regional Administration of Health, Coimbra.
- Jun 1999 **Cisco – Multiservices** – Cisco systems - “Broadband conferencing and Streaming using MPEG2 over Ethernet, H.323 conferencing, IP/TV and voice and data integration.
- Jan 1999 **1998 Multimedia international year** – Information and debate, sponsored by Associação para a Promoção do Multimédia em Portugal (APMP).
- Jan 1997 **Autocad 13, Auto-Vision and 3D Studio MAX** – Intergraf.
- Nov 1996 **Introducing Microsoft Windows NT 4.0** – Microsoft.

<i>Oct 1996</i>	Intranetware operating system and connection of Novell systems to the Internet - Novell Portugal.
<i>Jun 1995</i>	3Com Education Forum Conference - 3Com Europe, Barcelona – Spain.
<i>Oct 1994</i>	Novell Lan University - Novell Portugal.
<i>Oct 1994</i>	Multimédia Expo – Micrograf Portugal.
<i>Jun 1994</i>	New technologies for workgroup networks – 3COM Portugal.
<i>Apr 1994</i>	Novell Lan University – Novell Portugal.

INSTRUCTOR EXPERIENCE

Centro de Formação da Associação de Escolas dos Concelhos de Castelo Branco e Vila Velha de Ródão, Castelo Branco - Portugal

<i>Feb →May 2003</i>	Linux operating system basics 25 Hours – for high-school teachers.
<i>Feb →May 2002</i>	Data networks introduction – 25 Hours - for high-school teachers.

Several entities - Portugal

<i>1985 - 1995</i>	15 courses all in informatics, summing 679 hours of training.
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LANGUAGE SKILLS

English, fluently spoken and written
 Spanish, fluently spoken and written
 French, spoken and written

OTHER REFERENCES

<i>Jan 2007 - Today</i>	Member of the Portugal Siemens MED Healthcare IT management board.
<i>Apr 2007 - Oct 2007</i>	Tutor of a Bsc student in 5 th year of informatics engineering at <i>Escola Superior de Tecnologia de Castelo Branco</i> , for the project “SPEAR - Open Source system for audio production and radio broadcast”.
<i>Apr 2007 - Oct 2007</i>	Tutor of a Bsc student in 3 rd year of informatics engineering at <i>Escola Superior de Tecnologia de Castelo Branco</i> , for the project “DAW – Digital Audio Workstation” based in open source.
<i>Apr 2004 – Jul 2004</i>	Tutor of a Bsc student in <i>Escola Superior de Tecnologia de Viseu</i> , in his project coursework, named “High availability LTSP environment”.
<i>Jul 2003 - Jul 2004</i>	Responsible for the study, application for funds, and implementation of a Picture Archive and Communication System (PACS) for the <i>Hospital Amato Lusitano</i> of Castelo Branco, which had full funding of the European Community and the Portuguese Government, through the “Saúde XXI” Program, with an estimated value of 1.5 M€.
<i>Jan 2003</i>	Nominated member of the technical council of the <i>Hospital Amato Lusitano</i> of Castelo Branco.
<i>Jul 1998</i>	In the area of his Project assignment coursework in his Bsc in Computer Science, he developed a database system for human resource management in the <i>Dielmar</i> factory, with honors from the Board of Directors and Teachers.
<i>Mar 1989</i>	Funder partner of <i>Rádio Urbana, C.R.L.</i> in Castelo Branco in which it was responsible for the integral build of three radio studios, where he later worked as technical responsible and director.

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