

Emilio González Montaña



Personal data

- Software Project Manager
- October 27th 1979
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Professional background

2007/12 – present **Software Project Manager**, SEPSA, Madrid.

(www.albatros-sl.es)

Multinational company dedicated to design, manufacture, marketing and maintenance of on board equipment for train vehicles.

Main tasks performed:

- Planning and management of software projects.
- Software development team leader.
- Quality assurance in deliveries (previous to integration and validation tests).
- Proposal and development of quality plans.
- Monitoring and execution of projects based on products: IRIS, CESIS, SME, ASFA, CCTV, Control Centers.
- Selection, control and tracking of Subcontractors (RBZ, Logitel, InfoGlobal, SESA, ...).

Projects for clients:

- Constructor clients: ALSTOM, CAF, Siemens, ROTEM.
- Final clients: Metro Santo Domingo, Locomotoras Fesur, Sau Paulo.

Used technologies:

- Methodologies: UML, OOP, Project management and planning, , CMM (level 2), Agile Methodologies (Scrum).
- Operative Systems: Windows XP, Linux.
- Microsoft Office, Microsoft Project, Microsoft Visio, ...
- Tools: Mantis, Redmine & JIRA (bug tracking), MediaWiki & Confluence (documentation), Subversion (SCC), ...

2006/02 – 2007/12 **Software Engineer**, Alvarion Spain S.A., Valladolid.

(www.alvarion.com)

Multinational Israeli company of WiMAX telecommunications R&D (microwave long range wireless technology).

Main tasks performed:

- Embedded Product development and extension.
- Proposal and implantation of quality plans in the software development.

Used technologies:

- C/C++, assembler.
- Processors: ARM, PPC.
- Operative Systems: Windows XP, Linux, VxWorks.

- Methodologies: UML, OOP, Project Management and Planning.
- Tools: oscilloscope, logic analyzer, test box, soldering iron, ...
- Microsoft Office, Microsoft Project, Microsoft Visio, ...
- Eclipse, Wind River Tornado, Wind River WorkBench, ...
- Others: English is the official company language.

2005/10 – 2006/02 **Software Architect – Analyst**, Selfor S.A., Valladolid.

(www.selforsistemas.com)

Company dedicated to bring solutions to other companies (Telefonica R&D, Renault, ...).

Main tasks performed:

- Redefine the product architecture (Planner of interventions and human resources for production systems).
- Development of quality plans to support development systems, acquirement and maintenance of products and projects.

Used technologies:

- Java, SQL, XML.
- Operative Systems: Windows XP, UNIX, Solaris.
- Methodologies: UML, OOP, Project Management and Planning, project life cycle modeling, project recovering techniques.
- DBM's: ORACLE.
- Microsoft Office, Microsoft Project, Together.
- Eclipse, Sun Workshop, ...

2002/07 – 2005/09 **Software Project Manager**, Ars Nova S.A., Valladolid.

(www.ars-nova.net)

Company specialized in Information Technologies (IT) and Knowledge Management (KM), providing hardware and software solutions development for Self-service Terminals and Electronic Document Management (EDM).

Main tasks performed:

- Planning and management of software projects.
- Software development team leader.
- Defining of Software architecture, analysis and design of Self-service Terminals-based and embedded control system software.
- Multi-threaded Software components development for hardware control, data management and communications protocols.
- Analysis, design and implementation of client/server applications to monitor and control heterogeneous self-service terminals in a network (LAN, WAN and Internet).
- Assisting in the development of quality plans to support system development, acquisition and maintenance of products and projects.
- Participating in Administration of internal and external servers (Web, Database, File and Mail servers).

Used technologies:

- C/C++, SQL, PHP, XML, Java, JavaScript, HTML, Assembler
- Operating Systems: Windows NT, XP, 2K, Linux (including several embedded Linux versions), MS-DOS, DR-DOS (for embedded systems).
- Methodologies: UML, OOP, Project management and scheduling, projects life cycle modeling, projects recovering techniques.

- DBM's: SQL Server, Sybase, Paradox, Adabas, MySQL, SQLite.
- Microsoft Office, Microsoft Project, Together, VMware.
- Borland C++, NetBeans, KDevelop, Visual C++, ...

2001/10 – 2002/07 **Analyst – Product designer**, Sakura C.B., Valladolid.

(www.sakuracb.com)

Company specialized in Web Portals and providing complete technical solutions to small and midsize businesses.

Main tasks performed:

- Design, development and maintenance of Web-based applications.
- Internal technical support: PC's, Servers, network and the software applications.

Used technologies:

- PHP, XML, JavaScript, HTML.
- Operating Systems: Windows 2000 (Professional and Server), Linux (RedHat, Mandrake, Knoppix).
- DBM's: PostgreSQL and MySQL.
- Microsoft Office, Dream Weaver, Publisher.

2001/01 – 2001/10 **Programmer –Software Analyst**, Acotec S.L., Valladolid.

(www.acotec.es)

Company specialized in Smart cards solutions for access controlled and security systems.

Main tasks performed:

- Design, development and implementation of a new enhanced software release system.
- Windows Components development for Windows DLL's authentication replacement (MsGina.dll, WinLogon), using Smart Cards instead of CTRL+ALT+DEL.
- Design of the Network topology for administration of hundreds of PC's with the smart card authentication system, connected to a remote server.
- Development and implementation of a remote driver for smart card in Windows Terminal Services environment.

Used technologies:

- C/C++, Java and Assembler.
- Operating Systems: Windows NT (WorkStation and Server, with Terminal Services), Windows 9x/Me.
- Methodologies: UML, OOP.
- Microsoft Office, VMware.

2000/06 – 2000/09 **System Technician**, C.I.C. S.A., Valladolid.

(www.cic.es)

Company specialized in consulting and providing complete software solutions for Midsize and Big Businesses.

Main tasks performed:

- Design and implantation of networks topologies.
- Install and configure computers with several operating systems.
- Configure network accounts in UNIX SCO and NetWare servers.

Used technologies:

- Operating Systems: Windows NT (WorkStation and Server), Windows 9x/Me, UNIX SCO.
- TCP/IP on ISDN, Modem, Ethernet.
- Microsoft Office, PC Anywhere, Accounting software.

Knowledge and technical skills

<i>Methodologies:</i>	CMM (Capability Maturity Model). Scrum (Agile Development Methodology). UML (Unified Modeling Language). OOP (Object Oriented Programming) y OOAD (Object Oriented Analysis and Design). Risk management and control. Project management.
<i>Skills:</i>	Leadership capability. Conflicts negotiation and solution. Effective communication. Mentoring tasks. Quality techniques application for processes improvement. Team spirit.
<i>Programming languages and technologies:</i>	C/C++ (UNIX/Linux/Windows); IDE's: Visual C++, Borland C++, Watcom C++, Eclipse CDT, Tornado, WorkBench. Java SE, EE, ME, J#, JSP; IDE's: Eclipse, NetBeans, Jbuilder, Visual Studio. C#, Visual Studio .NET y Linux .NET (Mono). SQL, relational database management and administration: ORACLE, SQL Server, SyBase, Paradox, PostgreSQL, MySQL, etc. Assembler (MASM, NASM) for x86, Motorola, ARM. Scripting languages: PHP, ASP, JavaScript, JSP, Perl, TCL/TK, Python. Visual Basic. DirectX, OpenGL (Windows and Linux), Motif, QT (KDE).
<i>Application Servers:</i>	WebSphere, Tomcat, IIS, Apache, WebLogic. CMS: Wordpress, Drupal, PHPNuke, ...
<i>Operative Systems:</i>	Windows 9x, NT, XP, 2K Professional and Server, Vista. Linux (Mandrake, SuSE, RedHat, Knoppix, Debian, Ubuntu, ...), UNIX, VxWorks. Administration, maintenance of servers and application servers.
<i>Another Knowledge:</i>	UNIX environments and distributed systems security. Biological imitation cellular automats for resolving real problems. Artificial intelligence systems based on neural networks.

Education background

1997/10 – 2003/09 **Master Computer Engineer**
E.T.S.I. Valladolid (www.uva.es).

Final projects:

- “Drawing SQL”: Windows based application providing a graphical interface for design Relational Data Bases (DBML). Programmed in Visual Basic language.
This project was done under an Erasmus/Socrates Grant in Sligo, Ireland.
- “MyGIS”: Geographic Information System. Client/server application developed in multiplatform (Linux for the Server and Windows with 3D representation (DirectX) maps into the Client).
Programmed in C++ language.

Another degrees

1997/12	First certificate in English of Cambridge University (U.K.).
1999/02	Management, administration and exploitation of networks course.
1999/04 – 1999/05	Visual C++ programming course.
2002/04	Netherlands language initiation course.
2003/08	Intensive Italian course.
2005/10 – 2006/02	Pedagogic Competence Certificate (C.A.P.) of Valladolid University.
2008/01	Electric Safety and High Tension Course.
2009/02	Time Management with Outlook (T.M.I.).

Languages

Spanish	Mother tongue.
English	High reading and writing level.