

Daniel González Valero

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- Career Summary** I am an experienced real time software developer, educated to Masters level in Telecommunications Engineering. I have eight years of work experience in projects directly related to the telecom business, mainly as a developer, but also in activities ranging from research, testing and support, to commissioning engineering. I have been consulting in several telecom companies in Europe during the last eight years, in Embedded, Real Time and Distributed Systems.
- Experience**
- Nokia Networks GmbH** *Software Engineer Consultant*
Düsseldorf, Germany **since October 2000**
PDH/SDH cross connect and PDH Point to Point Microwave Radio Link. Porting of the application software from a MC68302 based system to an MPC850 system; design and implementation of State Machines to control new functionality; design and implementation of a boot strategy; implementation of driver for new ASIC; ASIC testing to locate major defect which prevented the product from working.
- Alcatel BEL** *Software Engineer Consultant*
Antwerp, Belgium **May 1999 - October 2000**
Project is a backbone IP-switch. Implementation of Hardware Shielding Layer to access ASICs and other board components; File System driver; Test Cases for production testing.
- Switching Test Solutions** *Telecom Consultant*
Zurich, Switzerland **July 1998-April 1999**
Development and support of testing systems, both distributed and standalone, covering all major telecom signalling protocols.
- LEP, Laboratoire d'Electronique Philips** *Telecom Research, Thesis*
Paris, France **April 1996 - August 1996**
Digital Subscriber Loop modem (VDSL) technology; programming of a simulation software (using C++ in a Solaris environment) to evaluate the performances of several equalizers designs in terms of BER.
- Educational Qualifications**
- École Supérieure d'Électricité, (Supélec)** *Erasmus Grant*
Paris, France **September 1995 - March 1996**
Specialization in radio communications and telecom networks.
- Politechnical University of Catalonia** *Telecommunications Engineering*
Barcelona, Spain **September 1991 - August 1995**
Main subjects related with fundamental physics, digital electronics, radio communications, OSI layers, computer science, antennas, transmission techniques and telecom networks .
- Technical skills**
- Embedded Systems:** debugging tools (Lauterbach Trace 32, PowerTAP, RiSC watch), distributed computing (multiprocessor systems, RPC, Corba), profiling (gprof, Purify)
Programming Languages: C, Assembler (PowerPC, 80x86, DSP TMS-320, Z80, 68000), Object Oriented (C++ & Java, UML), scripting (awk, perl, Bourne Shell), Matlab.
Processor architectures: Power PC and PowerQUICC derivatives (MPC850, MPC860); x86.
Compilers: GCC, diab & Green Hills.
Operating Systems, RTOS: Linux & Unix (Solaris), OSE, VxWorks.
Project Engineering: IDE: Emacs, Sniff, KDevelop, Eclipse. Source control: Clearcase.
Protocols / Standards: ATM, TCP/IP Stack, PPP, Frame Relay, ISDN, xDSL, HDLC, V5.x, SS7, X.25, GSM, UMTS.
Others: vi, regular expressions, HTML. Familiar with ASICs (testing, measurements, layout, schematics and data sheets). L^AT_EX.
- Other**
- Professional Interests:** VOIP, Distributed computing, Embedded Systems, Telecom Networks Management / Planning, ATM Networks, TCP/IP.
Languages: fluent French, English and German. Spanish and Catalan mother tongues.