

- Electronics cards design: microcontrollers, CPLD, memories, buses (USB 1.1/2.0, RS485/232, ISA, SPI, I2C etc.). Covering the assembly of prototypes, drivers programming (C, C++, VC++) and unit validation.
- Embedded system design: small circuits with one wire communication. Several types: CPU, pressure measurement, temperature measurement, etc.
- Engineering management. Staff, production (outsourcing and documentation) and purchasing (BOM and planning).
- Data base design with the software team support for the total management of the company. Scope: engineering, production, purchasing, storage, etc.
- Interview of new candidate: electrical engineers and technicians for Creasoft and Lear Corporation like outsourcing.

Ago. 2000 - Mar. 2001

ASM Group

Reus, Spain

Electrical Designer in the Electrical Technical Office

- Electrical design of industrial machines for the automotive sector: body work pile up and press machine for Ford, glue application in windscreen for Seat, fixing roofs with robots.
- Electric schematic drawings: three-phase motors, PLC, circuit breakers, electric boxes, etc. Project follow up and actions plans.
- Done several electric drawings in ePlan as well as calculations notebooks (Grade excellent based on QS9000).

Feb. 2000 – Ago. 2000

ASM Group

Reus, Spain

Programming in the Programming Technical Office

- PLC programming for industrial machines control (Simatic S5, S7 and Pilz).
- Industrial robots programming for production lines (Kuka, ABB y Fanuc).
- Software development for the licenses management (Visual Basic).

IDIOMAS

- | | | |
|-----------|-------------------|------------------------------|
| • English | Medium/high level | Spoken and written correctly |
| • Spanish | Native | Spoken and written perfectly |
| • Catalan | Native | Spoken and written perfectly |

INFORMÁTICA

Level: [VH]: Very High [H]: High [M]: Medium [L]: Low

Management

- Planning: MS Project [VH]. MS Project Professional [M].
- Version control: Visual Source Safe [VH] and Source Off Site [VH].

Programming

- Generic: C [VH], C++ [VH], Visual C++ (5, 6 y .net) in SDK [H] and DDK [M], Basic, Visual Basic (5 and 6) [H], Pascal [M] and Fortan [M].
- Micros: Keil compiler [VH] for 8051 and IAR [M] for 8051 and AVR, assembly for 8051 [VH], 68000 [H], PIC [M] from Microchip and AVR [M] from Atmel.
- PLDs: Altera [H], Xilinx [M], Lattice [H], programmed with schematics [VH] and VHDL [M].
- PLCs: Simens with Step 5 [M] and Step 7 [M] and security Pilz [L].
- Robots: Kuka [M], Fanuc [M], ABB [M] and RALP-II [M].
- Data bases: MS Access [M], MySQL [M], relational design [H] and SQL [L].
- Web: PHP [H], HTML [M] and CSS [M].

Design

- PCBs: OrCAD [VH], Protel [H], Tango [M] and PCAD [VH].

- Electronic/Simulation: Pspice [VH] and PSIM [H].
- Systems: Matlab [VH] and Simulink [H]. Instrumentation: LabView [M].
- Electric: EPlan [VH]. Industrial: AutoCAD [M].

Office

- Calculus sheets: MS Excel [H].
- Web editor: Front Page [H] and Dreamweaver [M].
- Operation Systems: Windows (95, 98, 200 and XP) [H] and Linux [M].
- Others: MS Power Point [H], MS Visio [H] and MS Word [H].