CURRICULUM VITAE

Who I am	ARTURO HERNANDEZ ARRIBAS	
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	Nationality	Spanish

Skills

Personal

Sociability and staying-power are the two principal qualities which describe me. I believe that listening to the people is very important as well as keeping on the different ways which take you to your goal.

Social

Representation of the Company Aplicaciones GPS Company in several technical international meetings organized by the **TRIMBLE** Company. Speaker in the "**MARATÓN GPS**" with the theme "Las comunicaciones como elemento estructural en el futuro GPS". Tasks of personal counselling.

Organizational

Tasks of coordination and managing of little technical for developing and installation of different projects.

Technical

Developer of several modules of **Control and Management** for different devices: **GPRS/GSM MODEMS** with stack TCP/IP (WAVECOM, TELIT, SIMCOM, SIEMENS, µ-BLOX) for sending and receiving information TCP, FTP UDP, SMTP y POP3; **GPS** receivers with protocols **TSIP** and **NMEA**; Car navigation devices of **Garmin** (Nüvi); **Satellite MODEM** DSM-10 of DIGI; **Satellite MODEM** IRIDIUM; Digital **Tachograph**; SD **memory cards** with a little system **FAT16** for writing files and directories; Several types of devices connected to **I2C**, **SPI** o **1-Wire** buses. Use of Digital oscilloscopes, polimeters, Flash and memory programming devices. Ability for reading electrical schemes and English technical.

Computing

Managing skill for **several platforms** of compilers in **C Language** (IAR Embedded Workbench for ARM, Muse Platform of Wavecom for **Open-AT** Version 2.1b, Dynamic C Premier for a Microprocessor Rabbit de ZWorld Version 7.33, Cross Compiler C for XA Version 7.73 de Hi-Tech). Experience in developing little applications for managing files and serial communications on Microsoft Visual C#. Ability for developing on Java Swing and JSF. Basic knowledge on Android

Languages

English

Auto evaluation (*Level as the Common European Framework of Reference (CEFR)*)

Understanding		Speaking	Writing
Listening	Reading		
B2.2	B2.2	B2.2	B2.2

Objectives	
	Currently
	Being part of an I+D Team for helping with my experience and learning from it for facing new challenges
	Future
	Running a team for managing and developing Software Projects.

Work Experience	
	Dates
	Since November 1995 to April 2013
	Position held
	Development engineer
	Main activities and responsibilities
	Programming applications in **C language** for: **Fleet Control Devices** with microprocessors **XA-S3** and **LPC2387**, **GPRS MODEM** y **GPS** receivers (**TSIP** and **NMEA** protocols); Devices for **Timing Synchronization** Systems with microprocessor **LPC2387**, **GPS** receivers (**TSIP** protocol). Programming the **RASANT** device**,** in **C Language**, for getting out **RTCM-104** diferential corrections from the **RDS** data broadcasted by Spain National Radio (RNE). Programming control boards, with microprocessor **Z80**, in **Assembler** and **C** language for the **Fleet Control** of Trucks in an open coal mine in Meirama (La Coruña). **Technical supervision** of the **hardware** devices developed for the company. Doing the selection of the most suitable parts for using in this developments. Works of **documentation**, **repairing**, **coordination** and **start-up** of **devices**. **Advice** and **guidance** to the **customers** for using our Systems. Doing little applications in **C** and **C# language** in **PC** for testing our Systems. Some Customer Companies with I have dealt: **Teltronic, Fagor Electrónica, REE, AZERTIA, FCC, TELVENT, GMV, AYESA, Heligráfics**, etc.
	Achievements
	Building a **Software Platform**, which was used for Fleet Control devices, which was easily configurable before compilation. This let support different features of customers and different peripheral devices with a low code weight. This let **save maintenance costs** of the software.
	Building a wireless update software, for the microprocessor **LPC2387**, based on FTP. This **reduce** the **updated cost** of the devices
	Keeping a compatible software, which was used for more than eight years, for the Fleet Control devices. This software supported different peripheral devices with their different Firmware versions and it could be wireless updated. This let **save maintenance costs** to the customers and have different hardware devices version without problem.
	Company
	APLICACIONES GPS S.L. C/ Antonio López Aguado, 9. Madrid
	Type of business or sector
	Company for development, integration and counselling about GPS based Systems.
	Dates
	Since August 1994 to October 1995
	Position held
	Development engineer

	Main activities and responsibilities
	Chief project for developing **Fleet Control** devices in an open coal mine in Ariño (Teruel). Programming control boards, with microprocessor **Z80**, in **Assembler** and **C language** for the Trucks Control of the mine. Programming in C language the manager software, in **PC**, of the relay system. Works of **documentation**, **repairing**, **coordination** and **start-up** of devices.
	Achievements
	To take on the leadership of the Fleet Control open coal which was left in their first steps and run it to the end successfully.
	Company
	GPSNAV S.A. C/ Islas Filipinas. Madrid
	Type of business or sector
	Company for development, integration and counselling about GPS based Systems.
	Dates
	Since December 1992 to July 1994
	Position held
	Development engineer
	Main activities and responsibilities
	Programming control boards, with microprocessor **Z80**, in **Assembler** and **C language** for a change machine of notes to coins. Working of check-up and start-up of a new control board prototype. Little applications in **C language** in **PC** for testing the control boards over **MS-DOS** System.
	Achievements
	Company
	ATEMPSA-HART. Polígono Industrial de Fuencarral
	Type of business or sector
	Factory centre for making change machines and power systems.
Education & Training	
	Dates
	September 1992
	Qualification
	Telecommunication Engineer. Speciality IT.
	Academic Centre
	ETSI de Telecomunicaciones de la Universidad Politécnica de Madrid
	Official Grades
	NOTABLE.
	Dates
	October 2013 – May 2014

	Qualification
	Master Certified Expert JAVA JEE. Approved by UAH (Duration 300 hours + 50 h Project + 250 h of Practical Work in the AQS Company)
	Academic Centre
	Grupo ATRIUM
	Grade

	Dates
	October 2013 – June 2014
	Qualification
	Classic Course of English. Level B2.
	Academic Centre
	International House Madrid
	No Official Grades
	B
	Dates
	November 2011
	Qualification
	Course of Microsoft Visual C# 2008 (duration: 110 hours On-line).
	Academic Centre
	AULA10
	No Official Grades
	Overcome
Other Trainings	Professional
	Seminary about **ZIGBEE** Modules of DIGI and their applications in M2M projects.
	Seminary about **LPC2387 microprocessor** of NXP**.**
	Seminary about "**Wireless Processor**" Modules of Wavecom and the **OpenAT** platform.
	Seminary about the **XA-S3 microprocessor** de Philips.
Additional Information	Driver License
	B
	Hobbies
	Swimming, Hiking and Reading