

**Personal data**

**Name and surname** David Pérez Marinas **Birth date** | 21/06/1976  
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**Remarked positions** Business owner, project leader, software engineer

**Technical experience** Embedded systems: Raspberry Pi (ARM), BeagleBone (ARM), Geode (x86), mobile apps (Android); web & cloud  
 C# (MVC.Net); Python (Django), Java (JEE and Android SDK)

**Business areas** Defence, energy, telecommunications, building, tourist sector

**University studies** 9/2000 – 10/2003 **Master of Engineering in Computer Science** by the “Carlos III University of Madrid”. Degree speciality: **Business Management**.  
 9/1995 – 7/2000 **Computer Technical-Engineer** degree in the UNED University.

**Complementary studies** 11/2009 – 4/2010 **SME development course**, by the School of Business of the “School of Industrial Organization” (Escuela de Organización Industrial), in Spain. 400 hours  
 5/2006 Introduction to **IT legal expertise** by the “Association of IT Engineers” of Madrid (Asociación de Ingenieros Informáticos). 14 hours.

**Social skills and competences** Involvement, responsibility, engagement, communicative and cooperative attitude, technological reference, conflict resolution knowledge, initiative.

**Organisational skills and competences** Project management and planning, goal-oriented work, team-management experience, tasks optimisation oriented, focused on quality management (ISO 9001 knowledge)

**Technical skills** System analysis and design. Marketing and customer relationship, customer requirements establishing. Economics knowledge, budget management.

**Engineering** SCRUM (Agile methodology), TDD, UML, Design Patterns, MS Project, Rational ROSE

**Tools** Eclipse , Visual Studio, software quality tools (NUnit , NCover, NDepend), continuous integration with CC.Net, version control (Git and Subversion), GIS-Tools (ArcGIS, OSMDroid, Open MapQuest, OpenLayers)

**Programming languages and frameworks** C# (MVC.NET, Razor, WPF, XAML, EntityFramework), Javascript (jQuery, Kendo UI), Python (Django framework), Java, Android SDK, NHibernate, SQL, C/C++

**Data bases** MySQL, SQLite, SQL-Server, ODBC, JDBC

**Achievements and merits** Honourable Mention (4<sup>th</sup> place) in the “SME Project Contest” of “Caja Segovia” Bank in the 2010 edition

Semi-finalist in the “European Venture Contest” for an innovative computerized energy management system in 2011

**Mother tongue Languages**

	Understanding		Speaking	Writing
	Listening	Reading		
<b>English</b>	C1	C1	C1	C1
<b>German</b>	B1	B2	B1	B2
<b>French</b>	A2	B1	A2	A2

Level: A1/A2: basic user; B1/B2: independent user; C1/C2: proficient user

(\*)Common European Framework of Reference (CEF) level

<http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr>

<b>Remarked jobs</b>			
<b>Occupation</b>	<b>Software engineer</b>		
<b>Company</b>	Wiko Development GmbH <a href="http://www.3plep.de">www.3plep.de</a> ; <a href="http://www.wiko.de">www.wiko.de</a>	<b>Sector</b>	IT / Building
		<b>Date</b>	05/2013 – 06/2016
<b>Main tasks and responsibilities</b>	<p>Functional requirements analysis, architectural design, test plan design, technical reference.</p> <p>Supporting the team leader in several tasks such, defining system specifications, system maintenance and quality assurance planning.</p> <p>Technical reference, solving technical questions to the team.</p>		
<b>Technical environment</b>	Visual Studio, MVC.Net, C#, SQLServer, Entity Framework, HTML5, Javascript, JQuery, Kendo-UI, NUnit, Git, CruiseControl.Net		
<b>Achievements</b>	<p>Software process improved by a better tasks management, introducing productivity tools like Asana (<a href="http://www.asana.com">www.asana.com</a>), that makes the team more dynamic and communications more fluent.</p> <p>Introduced source control good practices for a better software maintenance.</p> <p>Attempt to introduce automated testing (unit testing and integration testing) using continuous integration methodology.</p>		
<b>Occupation</b>	<b>Owner, General Manager and Project Leader</b>		
<b>Company</b>	DPM Ingeniería SL (own business project)	<b>Sector</b>	IT-Engineering
		<b>Date</b>	11/2010 – 09/2012
<b>Main tasks and responsibilities</b>	<p>Founding member. Customers searching and supporting. Development team management. System analysis and design.</p>		
<b>Technical environment</b>	<p>.Net-Projects: Visual Studio, C#, ASP.Net, WinForms, WPF, MySql, NUnit, Git, Subversion  Open-Source Projects: Eclipse, Django, Python, MySql, SQLite, HTML5, Javascript, JQuery, JQueryUI, OpenLayers, MapQuest-API, unittest, Git, Subversion  Mobile app projects: Eclipse, Android-SDK, Java, OSMDroid, JUnit, Git, Subversion</p>		
<b>Achievements</b>	<p>Development of a tourist guide and information platform for Android devices and web browsers, MiCicerone (<a href="http://www.micicerone.com">www.micicerone.com</a>), in association of the Chamber of Commerce and Industry of Segovia and the collaboration of the council for culture and tourist of Segovia (Spain).</p> <p>Semi-finalist project in the European Venture Contest for an energy saving management system, at Rheims, France, in march 2011.</p>		
<b>Occupation</b>	<b>Project leader, Project assistant, Software Engineer</b>		
<b>Company</b>	GMV Aerospace & Defence SLU <a href="http://www.gmv.com">www.gmv.com</a>	<b>Sector</b>	Defence
		<b>Date</b>	02/2007 – 07/2009
<b>Main tasks and responsibilities</b>	<p><b>Project leader</b> of a system in the Electronic Warfare (EW) field, using C#/.Net technology and ESRI's ArcGIS (<a href="http://www.esri.com/software/arcgis/arcgis-for-desktop">http://www.esri.com/software/arcgis/arcgis-for-desktop</a>), for the Spanish Ministry of Defence. 02/2009 – 07/2009</p> <p><b>Team-leader assistant</b> and software engineer in the software module development of the COMFUT (“COMbatiente FUTuro”, future fighter) program, intended to modernize the Infantry's equipment of the Spanish Army, in collaboration with EADS-Spain and EADS-Germany. System analysis, design, test planning, development team supervision and users (soldiers) training.</p>		
<b>Technical environment</b>	Visual Studio, C#, ArcGis, WinForms, Visual Source Safe, NUnit, NCover, NDepend, CruiseControl.Net		
<b>Achievements</b>	<p>Introduction of development process based in SCRUM, in order to improve the team productivity. Working with TDD (test-driven development) and continuous integration to raise the development quality and avoid later problems.</p>		

<b>Previous professional experience</b>	<b>Occupation</b>	<b>Date (month/year)</b>	<b>Company</b>	<b>Sector</b>
	<b>IT expert</b>	11/2008	Courthouse of Segovia	Judicial
	<b>Analyst</b>	05/2005 - 07/2006	Soluziona	Energy
	<b>Analyst / programmer</b>	12/2004 - 05/2005	DMR Consulting	Telecom.
	<b>IT Developer</b>	08/2004 - 12/2004	InteRed	NGO
	<b>Analyst / programmer</b>	01/2004 - 06/2004	Economics Department of the Carlos III University	Educational
	<b>Analyst / programmer</b>	03/2001 - 01/2003	IT Service of the Carlos III University	Educational
	<b>IT Technician and teacher</b>	02/2000 - 07/2000	Cremer Academy	Educational
	<b>IT Technician</b>	01/2000 - 02/2000	Excelencias Latinoamericanas	Publishing

**Personal projects**

**Description** **EagleBone:** Drone stabilization system for the BeagleBone computer, and a simple drone simulator. Available at <https://github.com/dpm76/eaglebone>

**Technical environment** **Hardware:** BeagleBone, RaspberryPi, MPU6050 (gyroscope & accelerometer), HMC5883L (magnetometer), BMP180 (air pressure sensor), U-BLOX (GPS), ultra-sound sensor, PWM, I2C, GPIO, UART  
**Software:** Eclipse, Python, tkinter (GUI), unittest, Git

**Hobbies and interests** Travelling and visiting new places, riding bike, mountain hiking, nature, robotics and drones, and photography.