

SALVA PEIRÓ FRASQUET

C **Current:** Software Development Engineer.
K **Keywords:** Virtualization, Programming, Linux, Kernel, Security, x86, SPARCv8, ARM
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* This is an abridged resume version, contact me for a detailed resume.

PROFILE

I work on embedded devices virtualization and security, my main roles are software development engineering, validation and research. I have background and experience on embedded OS development at [UPV](#). Previously, I studied a grade in Computer Science at the [UPV](#), followed by a master degree on Industrial Computing and Control Systems.

EDUCATION

- 2016 | *Ph.D in Computer Science* topic: Hypervisor validation
Universidad Politécnica de Valencia.
- 2010 | *Master Degree, Computer Science, topic: Industrial Computing and Control Systems.*
Universidad Politécnica de Valencia.
Final-year Project: “Porting of the PaRTiKLe RTOS to LPC2136 NXP”
- 2006 | *Degree in Computer Science, topic: Software Engineering.*
Universidad Politécnica de Valencia.
Final-year Project: “Construction of Real Time applications with strict RT and non-RT requirements”
- 2003 | *Technical Engineering in Computer Science*
Universidad Politécnica de Valencia.

SKILLS

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| GNU/LINUX SYSTEMS | Make, Gcc, Ld, Gdb, Binutils, Lex, Bison. |
| WINDOWS SYSTEMS | Eclipse and the MinGW development environment. |
| PROGRAMMING | C, Assembly, Python, Perl, Matlab/Octave, Java, Bash. |
| DOCUMENTATION | LaTeX, TeX, Doxygen, DocBook, SGML. |
| GNU/LINUX EXPERIENCE | Debian, Red Hat, Gentoo and variants. |
| SYSTEM ADMINISTRATION | Apache, Lighttpd, OpenSSH, IPTables. |
| DATA BASES | MySQL, PostgreSQL. |
| WEB DEVELOPMENT | JSP, JavaScript/JQuery, JSON, CGI, X/HTML, XML, CSS. |
| REVISION CONTROL | Git, Subversion, Mercurial |

LANGUAGES

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| ENGLISH | Certificate: Official School of Languages: <i>Advanced Level (ADVANCED-EOI)</i> ., 2010 Certificate: Official School of Languages: <i>Intermediate Level (INTERMEDIATE-EOI)</i> ., 2009 Certificate: Cambridge ESOL: <i>First Certificate in English (FCE)</i> ., 2008 |
| CATALAN | Certificate: Junta Qualificadora de Coneixements de Valencià: <i>Intermediate Level</i> , 2000. |
| SPANISH | Native Proficiency. |

REFERENCES

- [1] A. Crespo, I. Ripoll, M. Masmano, and S. Peiro. Partitioned Embedded Architecture based on Hypervisor: the XtratuM approach. In *8th European Dependable Computing Conference*, 2010.
- [2] M. Masmano, I. Ripoll, A. Crespo, and S. Peiro. XtratuM for LEON3: an OpenSource Hypervisor for High-Integrity Systems . In *Embedded Real Time Software and Systems ERTS2010*. Toulouse, France, May 2010.
- [3] Manuel Muñoz, J. Francisco Blanes, Miguel Albero, Javier O. Coronel, José E. Simó, Alfons Crespo, and S. Peiró. Real Time control of 20 DoF humanoid robot. In *30th IFAC Workshop on Real-Time Programming (WRTP'09)*, 2009.
- [4] Salva Peiró, M Munoz, and Alfons Crespo. An Analysis on the Impact and Detection of Kernel Stack Infoleaks. volume 24, pages 899–915. Oxford University Press, 2016.
- [5] S. Peiró. Inferno DS, port of Inferno to the Nintendo DS. In *3rd International Workshop on Plan 9*, 2008. <http://inferno-ds.googlecode.com/svn-history/r169/trunk/doc/infds.pdf>.
- [6] S. Peiró, M. Muñoz, M. Masmano, and A. Crespo. Detecting Stack based kernel Information leaks . In *International Joint Conference SOCO'14-CISIS'14-ICEUTE'14*, volume 299 of *Advances in Intelligent Systems and Computing*, pages 321–331. Springer International Publishing, 2014.