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Javier Martínez Canillas

Summary

I'm an open-source enthusiast software engineer with experience working on different layers of the software stack.

Interests

Software development, Linux kernel development, Linux device drivers.

Education

2010 - 2011

M.S. in High Performance Computing - Universitat Autónoma de Barcelona, Bellaterra, Spain.

Thesis: *Including the Workload Effect in the Parallel Program Signature.*

Advisor: Prof. Emilio Luque.

2002 - 2008

B.S. in Computer Engineering - Catholic University "Nuestra Señora de la Asunción", Asunción, Paraguay.

Thesis: *A new approach to solve Multi-Objective Evolutionary Optimization Problems using Linear Genetic Programming.*

Advisor: Prof. Benjamín Barán.

Awards and Honors

PIF-UAB predoctoral scholarship for Master of Science studies at Universitat Autónoma de Barcelona.

Professional Experience

September 2011 - Present

Linux Kernel Engineer - ISEE (`http://www.iseebcn.com`): Embedded systems manufacturer.

Linux Kernel and bootloader (X-loader and U-boot) porting and device drivers development for custom system-on-chip boards.

Platform: Linux on ARM TI OMAP3 (Cortex-A8).

Technologies: C, Kernel Build System (Kbuild), Git.

Repository: `http://git.igep.es/`

October 2010 - August 2011

M.Sc. Student and Researcher - Computer Architecture and Operating System department, Universitat Autónoma de Barcelona.

Design and implementation of a parallel application performance analysis and prediction tool.

Doing research to improve the tool accuracy.

Plataform: Linux clusters

Technologies: C/C++, MPI, GNU Build System (Autotools), GTK.

November 2009 - September 2010

Software Engineer - TDI S.A. (`http://tdi.com.py`): Software factory.

Designed and developed an enterprise resource planning for a distribution company and a portal solution for a non-governmental organization.

Platform: Java Enterprise Edition 6 and Liferary.

Technologies: Java Enterprise Edition development consulting: Glassfish, Java Server Faces 2.0, Enterprise Java Beans 3.1, Java Persistence API 2.0, JAX-WS, JAX-RS, Facelets, JasperReports, Jboss, Liferay, Jboss Seam, Facelets.

December 2008 - October 2009

Software Engineer - Tabacos del Paraguay S.A. (`http://www.tabacosdelparaguay.com`): Cigarettes distribution company.

Designed and built a data warehouse and geographic information system.

Platform: Microsoft business intelligence and Pentaho.

Technologies: Pentaho Data Integration (Kettle), Pentaho Analysis (Mondrian), Pentaho Reporting, Pentaho BI Server, MS Integration Services, MS Analysis Services, MapServer, GeoServer, Postgresql, Postgis, MySQL Spatial Extensions, OpenLayers, Mapfish, Google Maps API.

May 2008 - November 2008

Software Engineer - Telecom Personal Paraguay (`http://www.personal.com.py`): Cell phone and internet service provider.

Designed and developed an enterprise mobile application suite and location based services.

Platform: Microsoft .Net and Gemalto.

Technologies: j2me, Gemalto SAT, $C\sharp$, ASP .Net, jQuery, Windows Services, MS SQL Server, Google Maps API, jQuery.

March 2005 - May 2008

Developer and System Administrator - Simeic (`http://www.simeic.com`): Consulting company.

Enterprise resource planning software development and Linux system administration.

Platform: Linux and Mono.

Technologies: $C\sharp$, GTK, PHP, Mysql, Apache, Bind, Samba, Postfix, Squid, Jabber, Iptables/Netfilter.

Technical skills

- Languages: C, Bash, Python, Java, $C\sharp$, Javascript, PHP, SQL.

- Frameworks: GTK, GNU toolchain, Kernel Build System (Kbuild).

- Operating Systems: Linux (Kernel development, porting and device drivers).

Open source contributions

Linux Kernel (`http://git.kernel.org`)
`http://www.ohloh.net/accounts/martinezjavier`