Jorge Azevedo

Electronics Engineer

Availability: July 2013 onwards
Looking for: Real-Time Linux
                Embedded Systems Development
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In a nutshell · Recent university graduate passionate about technology looking for a challenge and an opportunity to learn a new language. Specialties include Real-Time Linux and software development.

Personal Information

FULL NAME	Jorge Manuel Coelho Amado de Azevedo
ADDRESS	Rua Bartolomeu Dias, 210, 4450-587 Matosinhos, Portugal
DATE OF BIRTH	15th October 1987
AGE	25
GENDER	Male
NATIONALITY	Portuguese
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XING	Jorge Azevedo

Experience

UNISOL   Universidade de Aveiro, Portugal

MAR 2012 - PRESENT	**Researcher**
DESCRIPTION	Research grant to work for UNISOL, an European consortium assembled to build a domestic solar heating system from the ground up. My responsabilities and projects included:
· Prototyping an embedded control system based on a PIC32 microcontroller and several sensors and actuators.
· Development of a system simulation model using MATLAB and Simulink.
· Deployment and admnistration of a Linux server running an OpenStack cloud computing environment, a MATLAB computation clusters, and other key services.

Xenomai Lab   Universidade de Aveiro, Portugal

JAN 2011 - PRESENT	**Software Engineer**
DESCRIPTION	Principal developer and maintainer of the Xenomai Lab real-time control platform. This included up-close work on areas such as · Distributed version control using git. · Graphical User Interface development using Qt/C++. · The Xenomai real-time framework and its real-time semantics in C. · Licencing, packaging and distribution of a free software project.
JAN 2012 - PRESENT	**Master Thesis Colaborator**
DESCRIPTION	Technical coordinator for several student master thesis · Sep 2012 - Present *TODO*. · Jan 2012 - Dez 2012 *Controlador Adaptativo baseado em Xenomai*.

Publications

SEPTEMBER 2012	Xenomai Lab - A Platform for Digital Real-Time Control
IN	INForum 2012 Procedings

Education

2005–2012	**M.Sc. Electronics and Telecommunications Engineering**
INSTITUTION	**Universidade de Aveiro** Campus Universitário de Santiago, 3810-193 Aveiro, Portugal
THESIS	Xenomai Lab - A Platform For Digital Real-Time Control
DESCRIPTION	5 year degree (Bachelor and Master's included). Thesis graded 19/20 after public defense.
2008–2009	**Erasmus Exchange Program**
INSTITUTION	**TU\e Technische Universiteit Eindhoven** Den Dolech 2, 5612 AZ Eindhoven, Netherlands
DESCRIPTION	One year spent abroad under the Erasmus Exchange Program.

Languages

PORTUGUESE	Native speaker
ENGLISH	Advanced speaker. Five years of education in the British Council achieving level A in First Certificate of English (2001) and level B in Certificate of Advanced English (2004)
SPANISH	Basic understanding in both written and spoken form.

Technical Skills

SOFTWARE	A thorough understanding of the C programming language and Real-Time Operating Systems semantics, based on Linux variants such as Xenomai, RTAI and RTLinux. Working knowledge of C++/Qt GUI framework and modern development concepts such as Test Driven Development, Continuous Integration and cloud computing.
HARDWARE	A working knowledge of PIC microcontrollers, basic analog filter design and PCB prototyping using EAGLE.

Soft Skills

SOCIAL SKILLS	Experience in multicultural environments Open-Minded Highly responsible and professional
ORGANIZATIONAL SKILLS	Independent research Strong drive for initiative Planning and scheduling of team/individual project.

Additional Skills

DRIVING LICENSE	Category B-1