Jorge Azevedo
Electronics Engineer

Availability: August 2013 onwards
Looking for: Embedded Systems Development
Real-Time Linux

In a nutshell · Recent university graduate, passionate about technology, looking for a challenge and an opportunity to learn a new language. Specialties include software development and real-time Linux.

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
GENDER	Male
NATIONALITY	Portuguese
CONTACTS	· Telephone (+351) 936270876
	· E-mail jorge.amado.azevedo@gmail.com
	· LinkedIn pt.linkedin.com/in/jaazevedo
	· Xing Jorge Azevedo

Experience

UnlockYourBrain — Berlin, Germany

AUG 2013 - JAN 2014	**Software Engineering Intern**
DESCRIPTION	Internship at UnlockYourBrain, an e-learning startup focused on the development of an Android app. Key projects were:
· Continuous integration of the Android app. The build was automated using gradle and TeamCity was chosen as the server.
· Company-wide implementation of Scrum. As Scrum Master I oversighted the adoption of the framework, scheduled and hosted events, etc.
· Implementation of database manipulation algorithms using Node.js. Experience using JavaScript design patterns and debug/profiling tools, as well as publishing an npm package.

UNISOL — Universidade de Aveiro, Portugal

MAR 2012 - PRESENT	**Researcher**
DESCRIPTION	Research grant for UNISOL, a European consortium purposed with the construction of a domestic solar heating system. Key projects were:
· Prototyping an embedded control system based on a PIC32 microcontroller and several sensors and actuators.
· Development of a system simulation model using MATLAB/Simulink.
· Deployment and administration of an Ubuntu server running an OpenStack cloud computing environment and a MATLAB computation cluster.

Xenomai Lab — Universidade de Aveiro, Portugal

Jan 2011 - Present	**Software Engineer**
Description	Main developer for the Xenomai Lab real-time platform. Experience in: · Distributed version control using git. · Graphical User Interface development using Qt/C++. · The Xenomai real-time framework and its real-time semantics in C. · Licensing, packaging and distribution of a free software project.
Jan 2012 - Present	**Master's Thesis Collaborator**
Description	Technical coordinator for several student master's thesis · Sept 2012 - Present *Plataforma de ensino baseada em Xenomai Lab.* · Jan 2012 - Dez 2012 *Controlador Adaptativo baseado em Xenomai.*

Publications

Sept 2012	Xenomai Lab - A Platform for Digital Real-Time Control (link)
In	J. Amado-Azevedo, P. Pedreiras and A. Mota. *Xenomai Lab - A Platform for Digital Real-time Control.* In INForum Proceedings, 2012.

Education

Sept 2005 – Jan 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 (link)
Description	5 year degree (Bachelor and Master included). Thesis graded 19/20 after public defense.
Sept 2008 – Jul 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	Fluent speaker. Five years of education in the British Council achieving level B in the Certificate of Advanced English (2004).
Spanish	Basic understanding in both written and spoken form.

Skills

Software	· A thorough understanding of the C programming language and Real-Time OS semantics, based on Linux variants such as Xenomai and RTAI. · Working knowledge of C++/Qt and modern development concepts such as Test Driven Development, Continuous Integration (Jenkins), cloud computing (OpenStack) and version control (git).
Hardware	· A working knowledge of PIC microcontrollers, basic analog filter design and PCB prototyping using EAGLE.

SOCIAL	· Experience in multicultural environments.
	· Open minded and down to earth team player.
ORGANIZATIONAL	· Experienced in working in a multidisciplinary team.
	· Planning and scheduling of team/individual projects using Gantt charts.
OTHERS	· Driving License Category B-1