Jorge Azevedo
Software Engineer

Availability: February 2014 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
NATIONALITY	Portuguese
DATE OF BIRTH	15th October 1987
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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 oversaw the adoption of the framework, scheduled and hosted the various events, etc.
· Implementation of database manipulation algorithms using Node.js. These were mostly test-driven using mocha and required the usage of debug/profiling tools. An npm package was also published.

UNISOL   Universidade de Aveiro, Portugal

MAR 2012 - JUL 2013 — **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 tens of 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 - JUL 2013	**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 - JUL 2013	**Master's Thesis Collaborator**
DESCRIPTION	Technical coordinator for two student master's thesis. · Sept 2012 - Jul 2013 *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 (<u>link</u>)
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	**University of Aveiro, Portugal**
THESIS	Xenomai Lab - A Platform For Digital Real-Time Control (<u>link</u>)
DESCRIPTION	5 year program including Bachelor's and Master's. Thesis graded 19/20.
SEPT 2008 – JUL 2009	**Erasmus Exchange Program**
INSTITUTION	**TU\e Technische Universiteit Eindhoven, Netherlands**
DESCRIPTION	One year spent abroad under the Erasmus Exchange Program.

Languages

PORTUGUESE	Native speaker.
ENGLISH	Fluent speaker. Six 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. · Comfortable with Node.JS, C++/Qt, Android and iOS development. · Practioner of TDD, Continuous Integration (Jenkins, TeamCity), cloud computing (OpenStack).
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