

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
ADDRESS	Luxemburger Straße 30, 13353 Berlin, Germany
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Experience

UnlockYourBrain	Berlin, Germany
AUG 2013 - JAN 2014	Software Engineering Intern
DESCRIPTION	<p>Internship at UnlockYourBrain, an e-learning startup focused on the development of an Android app. Key projects were:</p> <ul style="list-style-type: none">· 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	<p>Research grant for UNISOL, a European consortium purposed with the construction of a domestic solar heating system. Key projects were:</p> <ul style="list-style-type: none">· 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: <ul style="list-style-type: none"> · 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. <ul style="list-style-type: none"> · Sept 2012 - Jul 2013 <i>Plataforma de ensino baseada em Xenomai Lab.</i> · Jan 2012 - Dez 2012 <i>Controlador Adaptativo baseado em Xenomai.</i>

Publications

SEPT 2012	Xenomai Lab - A Platform for Digital Real-Time Control (link)
IN	J. Amado-Azevedo, P. Pedreiras and A. Mota. <i>Xenomai Lab - A Platform for Digital Real-time Control</i> . 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 (link)
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	<ul style="list-style-type: none"> · 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	<ul style="list-style-type: none"> · A working knowledge of PIC microcontrollers, basic analog filter design and PCB prototyping using EAGLE.
SOCIAL	<ul style="list-style-type: none"> · 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