



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Nuno Gonçalo Bettencourt da Cruz Correia**
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E-mail(s) nbettencourt@gmail.com
Nationality Portuguese
Date of birth 27 January 1985
Gender Male

Desired employment / Occupational field

Software Engineering

Work experience

Dates	30 May 2009 - 13 September 2010
Occupation or position held	Software Engineer
Main activities and responsibilities	<p>Developer of the Global Auction MarkEts component of work package 6 of the HURRICANE project of the European Seventh Framework Program.</p> <p>Global Auction MarkEts (GAME) was a real-time web-based platform for high-throughput matching of buy and sell orders on telecom services destined to network operators. The system was composed of two Ruby on Rails applications:</p> <ul style="list-style-type: none">- a centralized backend for market information, MarketData- institutional market access frontend, MarketParticipants, for each participant in the marketplace <p>and two Sinatra/Rack applications:</p> <ul style="list-style-type: none">- the MatchNode, which would receive and match orders from participants, while asynchronously delivering results to the...- DataFeedSystem, which would transform events generated by the various MatchNodes into messages and relay them over to the MarketParticipant instances <p>The MarketParticipants application used Comet to push generated real-time data in JSON over to traders' browsers, while inter-application communication relied on XML over RESTful interfaces.</p>
Name and address of employer	PDM&FC Lda. Av. Conde Valbom, 30 - 3º, 1050-068 Lisbon (Portugal)
Type of business or sector	Information Technologies, Telecommunications, Next-generation Wireless Network
Dates	19 September 2008 - 29 May 2009
Occupation or position held	Outsourcing Consultant
Main activities and responsibilities	<p>Outsourcing Consultant at WeDo Technologies. In the first half of this period I did integration duties on their cell phone roaming management system for a large Asian mobile carrier, with a team of four WeDo engineers. In the second half I was assigned to the WeDo development team where I was tasked: the creation of a CDR data input and processing tool for a profiling application; then, later, the implementation of a role/attribute-based permission system on WeDo's application development framework.</p>
Name and address of employer	PDM&FC Lda.

Type of business or sector	Av. Conde Valbom, 30 - 3º, 1050-068 Lisboa Lisbon (Portugal) Information Technologies
Dates	01 September 2007 - 01 September 2008
Occupation or position held	State-sponsored internship
Main activities and responsibilities	Involvement in the development of a highly modular web platform for the creation of a social network of hierarchical community sites, sharing duties with one other team member. I took decisions with regards to the application's architecture and data model, as well as I conceived and implemented a large part of the application's features.
Name and address of employer	Eufinity Solutions Lda Rua Monsenhor M.G. Diogo, n64 2o 4730-775 Vila Verde Portugal Eufinity Solutions Lda Rua Monsenhor M.G. Diogo, n64 2o 4730-775 Vila Verde Portugal, Eufinity Solutions Lda Rua Monsenhor M.G. Diogo, n64 2o 4730-775 Vila Verde Portugal Eufinity Solutions Lda Rua Monsenhor M.G. Diogo, n64 2o 4730-775 Vila Verde Portugal (undefined)
Type of business or sector	Information Technology
Dates	11 October 2010 →
Occupation or position held	Software Engineer
Main activities and responsibilities	Web application development for the Portuguese QREN initiative. I'm integrated into a Scrum team tasked with developing and supporting a Ruby on Rails application that allows the management of documents for applicants to the QREN programme, as well as their associated benefits and promotions.
Name and address of employer	Yunit Rua Laura Alves 7, 8º, 1050-138 Lisbon (Portugal)
Type of business or sector	Information technology

Education and training

Dates	01 March 2009 →
Title of qualification awarded	Master's Degree in Informatics
Principal subjects / occupational skills covered	Additional training on Software Engineering. My thesis project is the study, design and implementation of a tool to convert Alloy specifications into JML-annotated Java model class stubs, from a Model-Driven Architecture perspective.
Name and type of organisation providing education and training	Universidade do Minho (University) Campus de Gualtar, 4700 Braga (Portugal)
Level in national or international classification	Level 5
Dates	01 September 2002 - 01 December 2007
Title of qualification awarded	Informatics/Systems Engineering Degree - Information Technology branch
Name and type of organisation providing education and training	Universidade do Minho (University) Campus de Gualtar, 4700 Braga (Portugal)
Level in national or international classification	Level 5

Personal skills and competences

Mother tongue(s) **Portuguese**

Other language(s)

Self-assessment
European level ()*

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user

Spanish / Castilian

French

B1	Independent user	B2	Independent user	A2	Basic User	A2	Basic User	A2	Basic User
A2	Basic User	B1	Independent user	A1	Basic User	A1	Basic User	A1	Basic User

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

Good sense of humour.

Capable of establishing empathy with peers.

Team spirit, put to practise throughout several group assignments either in the context of my academic training or my professional experience.

Eagerness to meet people from other cultural backgrounds.

Technical skills and competences

My main areas in IT are general programming and Software Engineering. I obtained specific training in Formal Methods, a discipline I am particularly fond of, in the context of my academic education. I am also acquainted with some Artificial Intelligence topics. I am marginally interested in Computer Architecture and Operating Systems.

Model-Driven Architecture related topics such as metamodeling and model transformations have been of interest to me, particularly due to the theme of my master's dissertation. I am well-acquainted with UML 2.0 and its relationship to the OMG MOF standard.

Besides these Informatics-related areas, I also have some knowledge of the retail and of the mobile phone roaming businesses.

I'm knowledgeable about the functional, imperative and object-oriented paradigms and easily adapt to unknown programming languages. I have learned or am self-taught to program in the following languages:

- Bash, Z shell
- C
- C++
- Haskell
- Java
- JavaScript
- PHP 5
- Ruby 1.8/1.9
- SQL
- Visual Basic 6

I also know a bit of:

- the Alloy specification language
- the ATL model transformation language

I am used to the following human-readable representation formats:

- HTML (and while not exactly a language for data representation, I also know myself around a bit of CSS)
- JSON
- XML
- YAML

As for frameworks or particular APIs, I've dealt with (or created applications) made with

- Symfony
- Rails 2 and 3
- Qt4

Computer skills and competences	<p>Daily usage of:</p> <ul style="list-style-type: none"> - the Eclipse and NetBeans IDEs - the Linux, Mac OS X and Windows operating systems - version control systems: Dimensions, Subversion, Git, Mercurial - the Firebug extension of the Firefox web browser - the Apache 2 web server - the Vim and Textmate text editors - the LaTeX document preparation system - Microsoft Word
Artistic skills and competences	Laptop musician in the spare time.
Driving licence(s)	B