Europass
Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Filipe José Oliveira Campos**
Address	Rua Alto Pecelar, 1, 4705-812 Braga (Portugal)
Telephone(s)	(+351) 253953056 Mobile (+351) 916536087
E-mail(s)	filipe.o.campos@gmail.com
Nationality	Portuguese
Date of birth	18/07/1983
Gender	Male

Work experience

Dates	10/2007 →
Occupation or position held	Software Engineer and Researcher
Main activities and responsibilities	- Analysis and usage of several standards in the development of prototypes and proof of concept systems that communicate via Web Services: OASIS - DPWS, SOAP-over-UDP, WS-Discovery, WS-Notification, WS-ReliableMessaging, WS-Reliability, WS-Coordination, WS-AtomicTransaction, WS-BusinessActivity, WS-Context, WS-BPEL DMTF - WS-Management W3C - WS-Addressing, WS-Eventing, WS-MetadataExchange, WS-Policy, WS-Transfer, WS-CDL OMG - Data Distribution Service (DDS) - Collaboration on the development of the network calibration of MINHA, a system that virtualizes multiple JVM instances within a single JVM while simulating key environment components, thus reproducing the concurrency, distribution, and performance characteristics of the actual system. Implementation is based on Java6 and takes advantage of bytecode transformation to automatically convert application code to simulation environment. Available at http://gitorious.org/minha
Name and address of employer	Universidade do Minho - CCTC - Distributed Systems Group - http://gsd.di.uminho.pt/ Campus de Gualtar, 4710 - 057 Braga (Portugal)
Type of business or sector	Education
Dates	20/09/2006 - 19/09/2007
Occupation or position held	Software Developer
Main activities and responsibilities	Digital Mobile TV (DVB-H) Electronic Service Guide (ESG) - Product Analysis and Development - Configuration and Installation of Product Components Development of a 3D Mosaic TV using OpenGL and Quicktime
Name and address of employer	Nokia Siemens Networks S.A. Rua Irmãos Siemens, 1, 2720-093 Amadora (Portugal)
Type of business or sector	Information and communication
Dates	01/03/2006 - 15/09/2006
Occupation or position held	Trainee Software Developer
Main activities and responsibilities	Mobile Websites Adaptation Framework - Product Research and Development

	MyTMN Portal - Features testing
	Retailer systems integration - Development and integration of C# and Java Web Services
Name and address of employer	MobiComp - Computação Móvel, S.A. Rua Peão da Meia Laranja, 43 R/C Dir., 4700-241 Braga (Portugal)
Type of business or sector	Information and communication

Education and training

Dates	10/2007 →
Title of qualification awarded	MAP-i Doctoral Programme in Computer Science
Principal subjects / occupational skills covered	The current global economy depends on connected businesses: Services and goods result from increasingly complex integration of multiple parts and interdependent tasks. To a large extent, this was made feasible first by enterprise integration and then by open service oriented architectures (SOA). Currently, as services are built into ever larger applications, the coordination and composition of these services to achieve complex behaviours or to supply additional guarantees to the ones provided by the basic services pose several challenges. The main challenges arise from the complexity of many fault-tolerant solutions and also from the impact of service decomposition on the assumptions of the algorithms used in those solutions. Our approach to these challenges is to extend the existing Service Oriented Architecture with some services that will provide fault tolerance and reliability guarantees to the existing services in a transparent way.
Name and type of organisation providing education and training	Universidade do Minho (University) Campus de Gualtar, 4710 - 057 Braga (Portugal)
Level in national or international classification	ISCED 6
Dates	31/01/2012 - 17/02/2012
Title of qualification awarded	ICCES (Innovation and Creativity for Complex Engineering Systems) ERASMUS Intensive Programme
Principal subjects / occupational skills covered	- Multi-disciplinary team working - Research plan proposal for a specific problem considering both scientific and industrial perspectives
Name and type of organisation providing education and training	Universidade do Minho and Efacec S.A.
Dates	10/2001 - 12/2006
Title of qualification awarded	Licenciatura em Engenharia de Sistemas e Informática (5 year Bachelor degree in Computer Science and Systems Engineering)
Principal subjects / occupational skills covered	- Computer Science: Applied Cryptography, Computer Architectures, Computer Communications, Computer Vision, Databases, Digital Systems, Distributed Systems, Information Systems Development, Intelligent Systems, Multimedia, Operating Systems, Systems Administration - Mathematics - Physics - Operations Research - Micro- and Macroeconomics - Electronics
Name and type of organisation providing education and training	Universidade do Minho (University) Campus de Gualtar, 4710 - 057 Braga (Portugal)
Level in national or international classification	ISCED 5A
Dates	27/10/2004 - 13/12/2005
Title of qualification awarded	German for Engineers I e II
Principal subjects / occupational skills covered	- Basic German lexicon and communication bases - Reading and interpretation of technical texts in German, related with engineering - Grammatical structures: Noun phrase, Verb phrase, Subordinate and independent clauses

Name and type of organisation providing education and training	Instituto de Letras e Ciências Humanas - Universidade do Minho Campus de Gualtar, 4710 - 057 Braga (Portugal)
Level in national or international classification	< A1, Tec, Very Good

Personal skills and competences

Mother tongue(s) | **Portuguese**

Other language(s)

Self-assessment

European level (*)

	Understanding			Speaking				Writing	
	Listening		Reading	Spoken interaction		Spoken production			
English	C1	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user
French	B1	Independent user	B1	Independent user	B1	Independent user	A2	Basic User	B1	Independent user
German	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User

(*) Common European Framework of Reference (CEF) level

Computer skills and competences

Programming Languages

- Java, Ruby, PHP, Python, SQL, JavaScript, Perl, Bash Scripting, C, C#, C++, Visual Basic, Erlang, Prolog, Haskell

- Software modelling using UML

- Basic concepts of graphics modelling (OpenGL and GLSL)

- Distributed applications development with RMI and CORBA

- Web Services development using C# (Windows Communication Foundation) and Java (Axis2, XFire, JAX-WS, WS4D JMEDS)

- XML, XPath, XSLT

System Administration

- Linux, Mac OS X and Windows Systems Administration (Security, services, etc)

- Configuration of high availability solutions (Heartbeat, DRBD)

Testing

- Good knowledge in testing (HttpUnit, JUnit, RSpec, Cucumber) and profiling applications (JProbe, VisualVM)

Security

- Usage and configuration of: Iptables, Nessus, as well as IAIK-JCE (Java Cryptography Extension), public key/asymmetric and shared key/symmetric cryptography, digital certificates

Version Control

- Usage of version control systems: Bazaar, Git, Subversion, CVS and ClearCase

- Issue tracking with Bugzilla

Databases

- Installation, management and usage of relational databases: Oracle, PostgreSQL, MySQL, Derby, SQLite and HSQLDB

Web Development

- Ruby on Rails, Joomla, Google Web Toolkit, Enhydra Framework, Apache Struts, Spring Framework,

Yii, XHTML, WML, HTML, CSS, jQuery

- Experience with the application servers: Apache Tomcat, GlassFish, Jetty

Others

- Image processing using Cantata/Khoros2

- LaTeX, YAML, JSON

Artistic skills and competences	- Drawing
	- Photography
Other skills and competences	- Football
	- Cycling
	- Member and Webadmin of Clube Oval Azul (classic cars club) - http://www.clubeovalazul.com
Driving licence(s)	B, B1
Additional information	Publications:

- N. A. Carvalho, J. Bordalo, F. Campos and J. Pereira. Experimental Evaluation of Distributed Middleware with a Virtualized Java Environment.

In MW4SOC '11: Proceedings of the 6th workshop on Middleware for service oriented computing, 2011.

- F. Campos, J. Pereira, and R. Oliveira. Achieving eventual leader election in WS-Discovery.

In Fifth Latin-American Symposium on Dependable Computing (LADC), 2011.

- F. Campos and J. Pereira. Gossip-based service coordination for scalability and resilience.

In MW4SOC '08: Proceedings of the 3rd workshop on Middleware for service oriented computing, 2008.

- F. Campos and J. Pereira. WS-Gossip: Middleware for scalable service coordination.

In Companion '08: Proceedings of the ACM/IFIP/USENIX Middleware '08 Conference Companion, 2008.

Event Organization:

- InForum 2010 (local commitee), 2010.