Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**João Tiago Medeiros Paulo**
Address	Parque Residencial Fonte Seca. Lote 6B 1ºDto, 4715-229 Braga (Portugal)
E-mail(s)	jtpaulo@di.uminho.pt
Nationality	Portuguese
Date of birth	17/08/1986
Gender	Male

Education and training

Dates	2004 - 2007
Title of qualification awarded	BSc Degree in Informatics Engineering (LEI – Licenciatura em Engenharia Informática)
Principal subjects / occupational skills covered	The main subjects of my BSc course consist of several disciplines inserted in the field of Informatics and Systems Engineering.
Name and type of organisation providing education and training	University of Minho
Level in national or international classification	fifteen values out of twenty
Dates	2007 - 2009
Title of qualification awarded	Master's Degree in Informatics Engineering (MEI – Mestrado em Engenharia Informática)
Principal subjects / occupational skills covered	Masters Course' Specialization units (UCEs) of Distributed Systems and Applications Engineering. Masters Course' Seminar/Project component. Master Thesis, entitled "Efficient Storage of Data in Cloud Computing", centered in the elimination of duplicated data in a virtualized infrastructure.
Name and type of organisation providing education and training	University of Minho
Level in national or international classification	eighteen values out of twenty
Dates	2010 - Current
Title of qualification awarded	PhD student MAP-i Doctoral Program in Computer Science
Principal subjects / occupational skills covered	A joint program of Minho, Aveiro and Porto (MAP) Universities with the collaboration of CMU and UT-Austin Universities. The program represents a fusion of the doctoral offers in Computer Science of these institutions and constitutes a unified effort to prepare highly qualified human resources in Computer Science.
Name and type of organisation providing education and training	University of Minho, Aveiro and Porto

Research Interests

Distributed Systems, Operating Systems, Storage, Virtualization, Deduplication, Peer-to-Peer, Dependability.

Publications

2010

João Paulo & José Pereira. Model Checking a Decentralized Storage Deduplication Protocol.
Fast Abstract - Fifth Latin-American Symposium on Dependable Computing, April 25-29, 2011

2009

João Paulo. Efficient Storage of Data in Cloud Computing. Supervisor: José Orlando Pereira
Master's thesis, Universidade do Minho, 2009

Conference/Journal Reviews

Journal of Zhejiang University Science C (Computers & Electronics)

Event Organization

2010

2nd Edition of INForum 2010. Braga, Portugal, September 2010

Event Participation

2009

1st Edition of INForum 2010. F. Cruz, F. Maia, J. Paulo. Bolt – Backup Solution. Article presented at
the poster session of Inforum Conference in Informatics.Lisbon, Portugal, September 2009

2010

XtreemOS Summer School 2010: International event organized to describe the XtreemOS FP6
european project. Presented a new version of the deduplication algorithm, designed in the master's
thesis, for a distributed scenario with several servers and dependability concerns. Ulm, Germany, July
2010

2010

2nd Edition of INForum 2010. Braga, Portugal, September 2010

Projects

2009 - 2010

PASTRAMY: Persistent and highly Available Software TRansactional MemorY (PTDC/EIA/72405/2006)
Researcher of project PASTRAMY. Conception, development and evaluation of a virtualized shared
storage prototype using XEN hypervisor and its block tap mechanism.

2009 - 2011

RED: Resilient Databases (PDTC/EIAEIA/109044/2008)
Researcher of project RED. Current work involves database replication, shared storage cluster and
storage virtualization. More specifically, the shared-storage cluster approach using mySQL is being
ported to a virtualized environment that uses XEN.

2010 - Current

Bolt: When using all the different computing devices available to us nowadays we constantly access,
edit and create files. We can easily notice that we have a working set of files which are the most
important and most intensively used. Often, we want these files to be accessible in different devices
and places but it is difficult to keep the files synchronized and up to date everywhere. To make
synchronization of files between different devices easier a new set of services has been arising. We
call these services Working Set Dissemination Services. Bolt is our project aiming at implementing a
Working Set Dissemination Service

Awards

2011

SOSP scholarship: Scholarship for attending the 23rd ACM Symposium on Operating Systems
Principles (SOSP). October 23-26, 2011, Cascais, Portugal

Personal skills and competences

Mother tongue(s) | **Portuguese**

Other language(s)

Self-assessment
European level (*)

English

Spanish / Castilian

Understanding				Speaking				W r i t i n g	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
A2	Basic User	A2	Basic User	A1	Basic User	A1	Basic User	A1	Basic User

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

Social skills and competences

Team work and sense of organization, mainly due to the participation in several projects at the university and the organization of other events outside of the academic environment, namely sports and music events.

Technical skills and competences

In the informatics field, it is possible to outline the work experience and acquired competences in the following areas/technologies:

• Distributed Systems;

• Operating Systems;

• Software Engineering;

• Cloud Computing;

• Virtualization;

• Storage Management;

• Windows and UNIX;

• Programming languages (C, Java, Python, Haskell, Prolog);

• Xen, J2EE, CORBA, Hibernate e Postgres.