Ph.D. Pablos Ceruelo, Víctor

Curriculum vitae (in english, extended version)
Software Architecture, Analysis, Development and Deployment Mechanisms

Last name, First Name: Pablos Ceruelo, Víctor
Birth: October 2, 1981
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Work Experience

2022/10 to today. Company: ING
Site Reliability Engineer (SRE)
Tasks: Migrate assets "as is" to the cloud, proposing architecture changes needed to adapt them to the cloud. Ensure they adopt SRE initiatives.
Tecnologies used: Scripting (Python, Bash, Azure pipelines yaml), Docker, Linux, Java.
Tools used: Openshift, Kubernetes, Azure.

2022/01 to 2022/10. Company: Aplicaciones y tratamientos de sistemas S.A. (atSistemas)
DevOps Architect at Boehringer Ingelheim
Tasks: Evaluate current CI (Continuous Integration) and CD (Continuous Deployment) implementation to propose and develop improvements.
Tecnologies used: Scripting (Groovy, Python, Bash), Docker, Linux, Java.
Tools used: Jenkins, SonarQube, Nexus Artifactory, Atlassian Suite (Confluence, Jira, Bitbucket), Openshift.

2019/11 to 2021/12. Company: Grupo Corporarivo GFI Informática S.A. (now Inetum España S.A.)
DevOps Architect at SGAD[1] (2019/11 - 2020/10) and Acciona (2020/10 - 2021/12)
Tasks: Define and implant CI (Continuous Integration) and CD (Continuous Deployment) workflows, development of Jenkins and Redmine plugins and Jenkins Pipelines.
Tecnologies used: Scripting (Groovy, Python, Bash), Kubernetes, Docker, Linux, Java, Ruby.
Tools used: Jenkins & CloudBees CI, SonarQube, GitLab, Artifactory (JFrog, Nexus), Redmine.

2017/03 to 2019/11. Company: Management and Global Consulting S.L. (M&GT Consulting)
Java Architect at Point Of Sell (POS) Development Department, DIA Group
Tasks: Define software (SW) architecture and deploy mechanisms, control SW quality, help development teams with analysis and development, administer Linux systems.
Tecnologies used: Java, Maven, Spring, MySQL, Linux, Bash Scripting, Docker, Python.
Tools used: Jenkins, SonarQube, GitLab, Artifacts Registry, Rancher, Docker Registry.

2015/06 to 2017/03. Company: Ticjob S.L.
Chief Technology Officer (CTO)
Tasks: Project Management, Analysis, Development, Marketing (SEO/SEM), ...
Tecnologies used: Java, JavaScript, HTML5 (responsive web design), CSS3, Maven, Spring, Struts, Tomcat, Apache, MySQL, Exim4, Linux, Bash Scripting.
Tools used: Google Analytics, Google Tag Manager, Eclipse, DCEVM.

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[1]General Secretariat of Digital Administration

2013/02 to 2015/06. Company: Netijam Technologies S.L.
Analyst-Programmer.
Tasks: Project Management, Analysis, Development and Teaching.
Tecnologies used: Java, JavaScript, SQL (Oracle ®), HTML.
Teaching SISnet® methodologies to develop Web Services and Data Migration.

2008/09 to 2012/08. Company: Spanish Ministry of Education and Science and UPM[2].
Research Personnel in Training[3].
Tasks: Research and Publication of results, Analysis and Development of SW applications, Systems administration and Teaching.
Tecnologies used: C, C++, Java, PHP, Ruby, JavaScript, XHTML, Shell Scripting, Prolog, LaTeX.
Teaching "Development of Soft. Apps" (2010-11, 11-12) and "Programming in Java II" (2011-12).

2008/05 to 2008/08. Company: Universidad Politécnica de Madrid (Spain).
Software engineer (DESAFIOS project).
Tasks: Research, Publication of results, Analysis and Development of SW applications and Systems administration.
Tecnologies used: Ruby (Ruby On Rails), JavaScript, HTML, CSS, Shell Scripting, LaTeX.

2008/04 to 2008/04. Company: Madrid Institute for Advanced Studies (IMDEA).
Lecturer at the IMDEA exposition in IFEMA (Feria de Madrid).

2006/11 to 2008/03. Company: Universidad Politécnica de Madrid (Spain).
Software engineer (GGCC project, within the ITEA programme).
Tasks: Analysis and Development of SW applications and Systems administration.
Tecnologies used: C, C++, PHP, Ruby (Ruby On Rails), JavaScript, HTML, CSS, Shell Scripting, Prolog, LaTeX.
Due to budgetary constraints I was paid only from 2006/11/15 to 2007/03/31 and from 2007/11/01 to 2008/03/31.
ITEA = Information Technology for European Advancement.

2005/09 to 2006/11. Company: Open Solutions (today part of Tecnocom), IBM partner.
Lotus Notes and Java programmer and Linux systems administrator.
Tasks: Analysis and Development of SW applications and Systems administration.
Tecnologies used: C, C++, Java (JSP, Servlets), PHP, JavaScript, HTML, CSS, Shell Scripting, LaTeX, LotusScript.
As scholarship holder from 2005/09/15 to 2006/04/03.

2004/09 to 2005/08. Company: INECO-TIFSA.
Technical watchman.
Tasks: Control the correct construction of technical buildings (and others) in the Madrid-Toledo train route (AVE).

2004/09 to 2005/08. Company: Carrefour Commercial Center.
Stock boy.
Tasks: Stock the shelves.

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[2]Universidad Politécnica de Madrid

[3]FPI programme of the Spanish Ministry of Education and Science

Publications in Journal, Conferences and Workshops

2008   Title: *Rfuzzy Framework*.
Authors: Víctor Pablos Ceruelo, Susana Muñoz-Hernández and Hannes Strass.
Conference: WLPE 2008 - The 18th Workshop on Logic-based methods in Programming Environments. Udine, Italy.

2009   Title: *RFuzzy: An Expressive Simple Fuzzy Compiler*.
Authors: Susana Muñoz-Hernández, Víctor Pablos Ceruelo and Hannes Strass.
Conference: Bio-Inspired Systems: Computational and Ambient Intelligence, 10th International Work-Conference on Artificial Neural Networks, IWANN 2009, Salamanca, Spain. ISBN: 978-3-642-02477-1

Title: *RFuzzy: A framework for multi-adjoint Fuzzy Logic Programming*.
Authors: Víctor Pablos Ceruelo, Hannes Strass and Susana Muñoz-Hernández.
Conference: Annual Meeting of the North American Fuzzy Information Processing Society, NAFIPS 2009, Cincinnati, Ohio, USA. DOI: 10.1109/NAFIPS.2009.5156427

Title: *Operational Semantics for a Fuzzy Logic Programming System with Defaults and Constructive Answers*.
Authors: Hannes Strass, Susana Muñoz-Hernández and Víctor Pablos-Ceruelo.
Conference: Joint 2009 International Fuzzy Systems Association World Congress and 2009 European Society of Fuzzy Logic and Technology Conference, Lisbon, Portugal, July 2009. Booktitle: IFSA/EUSFLAT Conf., 2009. ISBN: 978-989-95079-6-8.

2010   Title: *Developing user-sensitive e-commerce applications from fuzzy concepts*.
Authors: Á. Fernández-Díaz, Susana Muñoz-Hernández and Víctor Pablos-Ceruelo.
Conference: Algebraic methods, soft computing, and program verification, International Center for Mathematical Meetings (CIEM), Castro Urdiales, Spain, April 2010.

Title: *Developing user-sensitive search engines from fuzzy concepts*.
Authors: Víctor Pablos-Ceruelo, Á. Fernández-Díaz and Susana Muñoz-Hernández.
Conference: Jornadas de Ingeniería del Software y Bases de Datos (JISBD'10), Valencia, Spain, September 2010. Booktitle: Actas XV Jornadas de Ingeniería del Software y Bases de Datos (JISBD'10).

2011   Title: *Introducing priorities in Rfuzzy: Syntax and Semantics*.
Authors: Víctor Pablos-Ceruelo and Susana Muñoz-Hernández.
Conference: CMMSE'2011, Benidorm (Alicante), Spain, June 2011, Booktitle: CMMSE 2011 : Proceedings of the 11th International Conference on Mathematical Methods in Science and Engineering. Volume: 3. ISBN: 978-84-614-6167-7

Title: *Rfuzzy: Syntax, semantics and implementation details of a simple and expressive fuzzy tool over prolog*.
Authors: Susana Muñoz-Hernández, Víctor Pablos-Ceruelo, and Hannes Strass.
Journal: Information Sciences, Special Issue on Information Engineering Applications Based on Lattices. Volume: 181(10). DOI: 10.1016/j.ins.2010.07.033

2013   Title: *Introducing priorities in Rfuzzy: Syntax and Semantics*.
Authors: Víctor Pablos-Ceruelo and Susana Muñoz-Hernández.
Conference: FCTA'2013, Booktitle: FCTA'2013.

2014   Title: *Introducing Similarity Relations in a Framework for Modelling Real-World Fuzzy Knowledge..*
Authors: Víctor Pablos-Ceruelo and Susana Muñoz-Hernández.
Conference: IPMU'2014, Montpellier, France, July 15-19, 2014. Booktitle: Information Processing and Management of Uncertainty in Knowledge-Based Systems. Volume: 444. Pages: 51-60. ISBN: 978-3-319-08851-8

Title: *On modelling real-world knowledge to get answers to fuzzy and flexible searches without human intervention..*
Authors: Víctor Pablos-Ceruelo and Susana Muñoz-Hernández.
Conference: FUZZ-IEEE'2014, Beijing, China, 6-11 July 2014. Booktitle: 2014 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), Pages: 2329 - 2336. DOI: 10.1109/FUZZ-IEEE.2014.6891723

Title: *Flese: A tool for posing flexible and expressive (fuzzy) queries to a regular database.*
Authors: Víctor Pablos-Ceruelo and Susana Muñoz-Hernández.
Conference: DCAI 2014, Salamanca, Spain, June 4-6, 2014. Booktitle: Advances in Intelligent Systems and Computing (Springer). Volume: 290. Pages: 157-164. ISBN: 978-3-319-07592-1

Academic Formation

2008-2015	Ph.D. in Software and Systems at The Babel Research Group, Facultad de Informática, Universidad Politécnica de Madrid (UPM).
2007-2009	M.S., Computational Logic. Program: European Master in Computational Logic (EMCL). Final average: 7.78. (1st year) Universidad Politécnica de Madrid (UPM), Spain. (2nd year) Universidade Nova de Lisboa (UNL), Portugal.
1999-2008	B.S., Computer Science. Final average: 6.9. Universidad Politécnica de Madrid, Spain.

Technical Skills

Programming languages:	JAVA (JSP, Servlets, Spring, Struts, Maven, Gradle, ...), Scripting (Groovy, Bash, Python, ...), HTML, XHTML, CSS, CSS3, JavaScript, SQL, Prolog, PHP, C, C++, Ruby (mainly Ruby on Rails), Ada, Haskell, LotusScript, Assembler, LaTeX.
Development environments:	Eclipse, IntelliJ IDEA, Emacs, Vim, IBM WSAD (Websphere Studio Application Developer), IBM Lotus Notes Designer, MS Visual Studio.
Production environments:	Kubernetes in Azure and Amazon AWS, OpenShift, Apache, Tomcat, Mongrel (RoR applications server), WAS (Websphere Application Server).
System Administration:	Linux (Debian, Ubuntu, Red Hat, ...)
Some others:	Build Docker images, Version Control Systems (Git, Subversion, Mercurial), Networks, Artificial Intelligence.

Languages and international travel

Language	Conversation	Written language	Reading skill
Spanish	native	native	native
English	fluent	fluent	fluent
French	fair knowledge	fair knowledge	fair knowledge
German	basic knowledge	basic knowledge	basic knowledge

Place	When	Details
Lisbon, Portugal	2009	Second year of EMCL.
Udine, Italy	2008	Conference WLPE 2008
Cincinnati, Ohio, USA	2009	Conference NAFIPS 2009
Ghent, Belgium	2007	2nd HiPEAC GCC Tutorial

Master's Thesis Supervised

2011/02/11	Jingwei, Lu	Title: Extending Fuzzy Logic with characteristics Similarity and Quantification, in Facultad de Informática, Universidad Politécnica de Madrid. Co-advisor: Susana Muñoz Hernández. Mark: 10/10 (Sobresaliente).
2012/10/9	Sinan Eğilmez	Title: A Sound And Efficient Approach For The Similarity Concept In Fuzzy Logic, in Facultad de Informática, Universidad Politécnica de Madrid. Co-advisor: Susana Muñoz Hernández. Mark: 9.5/10 (Sobresaliente).

Projects (mainly developments) I worked on

Project	Where	Details
SISnet for IMQ	Netijam	Personalization of SISnet framework for the client IMQ
SISnet for CESCE	Netijam	Personalization of SISnet framework for the client CESCE
Pascal Compiler	Univ. Course	Transformation of a subset of the Pascal Programing Language into assembler for a 8086 emulator.
MiniShell	Univ. Course	Subset of the facilities a linux shell provides to its user.
MicroKernel	Univ. Course	Small linux kernel with process, memory and input/output management.
I/O driver with interrupts	Univ. Course	Input/output driver that uses hardware interrupts instead of polling the device.
Cache Memory Management	Univ. Course	Different management policies in a Cache Memory Management driver.
Industrial Robot Control	Univ. Course	A real-time system for a robot in charge of solving the Hanoi Towers problem by moving disks from one stack to another.
Development of an Ontology	Univ. Course	an ontology with all the information needed by a pilgrim to cycle the "Camino de Santiago de Compostela" (The Way of St James).
Negation in Logic Programming	Univ. Course	A Prolog package (preprocessor + run-time library) able to obtain answers to negative queries.
Fuzzy Logic in Prolog	Univ. Course	A Prolog package to deal with fuzzy logic programs and queries in Prolog.
Mail Filter System	Open Solutions	Configuration of a Linux system to receive emails, detect spam and virus in emails and filter them out.

Good marks in studies

Course	Mark	Details	
Theoretical Computer Science	UGS	8/10	Theory of automatas, grammars and languages.
Operative Systems	UGS	9/10	Operative Systems technical details.
Computational Logic	UGS	8/10	Logic formalisms that help to prove theories.
Personal Computers Laboratory	UGS	8.4/10	How to detect hardware problems and get rid of them.
Compilers	UGS	7.6/10	How to build a compiler.
Operative Systems Design	UGS	7.5/10	Adv. course on Operative systems technical details.
Distributed Operative Systems	UGS	10/10	Adv. course on Operative systems focusing in using multiple machines to solve a problem.
Real Time Systems	UGS	10/10	Theory and practice on how to develop real time systems.
Design of Discrete Control Systems	UGS	9/10	Design and implementation of a real time system for controlling an industrial robot.
Vectorial and Parallel Processing	UGS	8.6/10	How to process huge amounts of data by using vectorial and parallel processing.
Practical Development of a Software System	UGS	9/10	How to manage software development processes under constant requisites changes.
Development of Software Applications	UGS	9/10	The student faces the development of a complex software application.
Final Proyect	UGS	10/10	Title: Impact of the programming languages coding rules in real practices. Advisors: Susana Muñoz Hernández and Juan José Moreno Navarro.
Software techniques for Analysis, Debugging and Optimization	MS	8.2/10	Advanced techniques to determine the evaluation costs of programs, find bugs and improve (reduce) its evaluation costs.
Rigorous Software Development	MS	8/10	Advanced techniques to develop software free from bugs and developing tools to produce software "correct by construction".
Non-Classical Logics	MS	9/10	Procedures to prove theories not studied in "Computational Logic".
Inexact Models Reasoning	MS	10/10	Tools to deal with a fuzzy (non-crisp) world in a bi-valued (binary) world.
Natural Language Processing	MS	7.5/10	Theory and practice on how to implement a system able to understand and react to some orders given in human language.
Component-Based Software	MS	10/10	Software development using components and agents, the future world metodologies
Master Project	MS	9/10	Constructive Intensional Negation in XSB Prolog.
Master Thesis	MS	7.5/10	Title: Negative non-ground queries in well founded semantics.

Legend: MS= Master Studies; UGS= Undergraduate Studies