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Software Engineer, Senior Developer, Project Manager and Technical Leader.

I am a Software Engineer and a Project Manager. I have experience as Project Leader, Team Leader and as Analyst and Developer. Technology is my environment and every new work experience in software context I can have the chance to join makes me highly motivated and very enthusiastic.

My Objective is Å

Working as *Software Engineer* in a highly motivated team, facing new and exciting technical challenges and building useful and efficient applications satisfying the user needs over their best expectations. This is my objective and what I am looking for is a Company that has made of innovation and research its core business.

I am sure that my capabilities as quick focus problem solver, my abilities to abstract and to keep simple and essential any problems, which I faced up to, make me a good candidate for this role. I am ready to offer my work experience and my skills as technician and designer if you think my characteristics match what your Company is looking for.

Work Experiences

01/04/2008 - Present	**Healthcare & Telecare team Technical Lead.** I+ s.r.l. p.zza Puccini 26, 51144 Florence (Italy).**Activities and responsibilities** are Technical and Production management. I am also Quality Assurance Manager and European Projects Technical Manager. I am **Senior Software designer** and Analyst. **Currently** I am managing as Technical Leader and Project Manager for I+ the following European ,regional projects or tender:

- *Virtual Doctor*- a public tender invitation by INRCA (Istituto di Ricovero e Cura a Carettere Scientifico) to supply and deploy a telemedicine system. The objective is providing a home telecare system to monitor and take care of cardiac disease patients. This system will be applied into the cardiology service of POR of Ancona
- *E-HEALTH nella macroarea transfrontaliera* . The objectives, as the project web site says, is aiming ‰to increase the quality of life through the development of coordinated health and social systems, and specifically the Italian and Slovenian patientsqquality of life through ICT (Information and Communication Technology) tools and new technologies+. For this project we are involved to provide a telecare system for the monitoring of blood pressure and ECG on mobile devices.
- *HappyWalker*, European Research Project presented at the fourth call of the AAL-program (Ambient Assisted Living). Itqs objective is to build an easily accessible and affordable platform facilitating a consistent and intuitive set of mobility enhancement services for older adults.
- *Opera*, a Tuscany Region project (Contract number: POR CReO 2011, expected end date 8th February 2014), which objective is to design and realize new configuration, more automated, for an integrated multifunctional surgery room.
- *Chiron*, European Research Project co-financed by the ARTEMIS Joint Undertaking (call 2009 . Artemis Sub-program ASP2: Person-centric Healthcare). The CHIRON Project intends to combine state-of-the art technologies and innovative solutions into an integrated framework designed for an effective and person-centric health management along the complete care cycle. Chiron is going to finish and all results obtained until now envisage a successful conclusion of the project.
- I closed successfully *Rosetta*, a technology development project under the EU-program Ambient Assisted Living , as technical leader for I+ (role of I+ is task leader). I am also main technical reference for H&T products, like DGHOME. DGHOME collects data from different data source like device to measure blood pressure, weight, glycaemia and other biological parameters and provide integrated graphical or tabular report.
- I am supporting also *Michelangelo,* a currently running research project partially funded by the European Commission (FP7- ICT G.A. # 288241) - intends to bring the assessment and the therapy of the autism out of the clinical environment and develop a patient-centric home- based intervention requiring a minimal human involvement and therefore extremely cost effective.

01/03/2002 - 07/12/2009	**Software Engineer Consultant** for Testing and Quality Control (Railways Sector). Eng. Omar Morales v.le Petrarca 96, 50124 Florence (Italy). **Activities and responsibilities** are Quality control (document validation) of specification following CENELEC reference normative of railway sector (EN 50126,50128, 50129, 50129-1 and 2, RFC 2126) and Unitary test development to check those specifications. That work was focused on software communication and control modules installed as firmware on hardware components designed by our customers and installed on trains. Those works were commissioned by SITE s.p.a on 2008-2009 and by Almstons.p.a. and by SELTA s.p.a. on period 2002-2003 and 2005-2007.
01/04/2004 - 31/03/2008	**Computer Science Engineer** Healthcare & Telecare team member. I+ s.r.l. p.zza Puccini 26, 50144 Florence (Italy)

Activities and responsibilities are European Project Technical management, Software development and Tester. My main activities were collecting requirements and modelling application domain. I was called to develop those requirements from the start to complete deployment of solution.

01/09/2003 - 01/09/2004	**Research Associate/Research Fellow (temporary)** Computer Science Engineering Laboratory. Dipartimento di ingegneria del software, Università di Firenze via di Santa Marta, 50139 Firenze (Italia) **Research main topic:** Methodology about cooperative applications design and validation, Computer Aided Surgery software development and design. The software developed is currently the core base of Orthokey Surgery Navigation System.

Social Skills and Competences

Teamwork oriented: able to energize the team and prioritize the activities as Technical Team Leader, good communication skills gained through my experience as European projects technical manager.

Qualification

- Good command of quality control processes (I am currently production and technical designer manager of my section)
- **Strong experience in design** and planning through my experience as tech. lead of my section.
- **Strong experience as developer (Senior developer level)**
- Pragmatic knowledge of methodology as **Unified Process**, **ICONIX** acquired during my role as Tech. Lead. Fluent use of **UML**.
- Experienced with **Design Patterns, Architectural Design Patterns, Usability Technics**.
- Very good knowledge in **REST** architecture and concepts
- Fluent **Java**, Very good knowledge of **JSE7**.
- Strongly experienced with **GWT**, **Guice**, **Gin**, **SQL** based applications design.
- Fluent in **Unitary Test practice** based on **JUnit** and related tools. Very good knowledge of **EasyMock** and **PoweMock**
- Experienced with **JEE** (JSF, JSP, Servlet), Spring, Hibernate based applications design. Familiar with **EJB** technology, Experienced with **JPA** and **JDBC.** Strong experience with **JAX-RS**
- Experienced with **W3C standards**-based on **HTML+CSS** web design, Familiar in **PHP**, **JavaScript**. Familiar with **JQuery**
- Experienced with **XML, XSD**, Basic Knowledge of **XPath**, **XQuery**, **XSLT**.
- Experienced with **Jboss**, **Glassfish** application server use and with Tomcat, Jetty web server use.
- Experienced with **VCS** like **SVN** or **CVS**, Familiar with **DVCS** like Mercurial (**Hg**).Familiar with **Maven**. Experienced with **BTSs** (Familiar with **Bugzilla**, Basic Knowledge of **Jiira** and **Mantis**).
- Strongly Experienced **Eclipse IDE**.
- Fluent in **C, C++.** Strongly Experienced in functional and unitary test based on **Cantata framework (C, C++ tool for testing).**
- Basic Knowledge with **OSGI**, **Spring**-**DMADA**, **Perl, MATLAB,KNX**.
- Good experience as research in computer engineering, above all in the context of **AAL** (Ambient Assisted Living) both at national level and European. This experience comes from my Ph.D. and temporary research associate.
- Basic knowledge of **HL7, OpenEHR** and **CEN/EU 130606** standard
- Other knowledge, **RFC2445 - iCalendar**

Education

- **Ph.D. in Computer Science, Multimedia and Telecomunication** awarded by MICC (Media Integration and Communication Center), Università di Firenze. The principal subjects are Home Automation, Monitoring and System Integration and Smart Home Human Behaviour Recognition.
- **Computer Science Engineering** University Degree. Overall **GPA** 105/110. **Coursework** Mathematical Analysis I, II, Mathematical Method, Geometry, Numerical Analysis, Statistics, Principle of Economy, Physics I, II, Energetic System, Electrotechnics, Electronic I, II, Chemistry, System and Automatics Controls, System Identification, Operational Research, Electric Communications, Networking fundamentals, Logic and computer Design Fundamentals, Computer Architecture and Organization, Principles of Informatics I, II, Industrial Informatics, Artificial Intelligence, Elaboration Systems, Software Engineering, Quality Control.
- **Graduation Thesis Title:** Discrete Enumerative Analysis through State Clustering Techniques to evaluate Efficiency and to validate the correctness of Not Deterministic Timed Systems.

Publications

- Cristiano Paggetti, Alberto Rugnone, Elena Tamburini, Chris D. Nugent: PHealth *Service Deployment Methodology: A Case Study.* JCSE 6(1): 60-66 (2012)
- Carlos Cavero Barca, Juan Mario Rodríguez, Rosana Valle Soriano, Alberto Rugnone, Francesco Foresti, Elena Tamburini, Cristiano Paggetti, John V. Gialelis, Petros Chondros, Christos Panagiotou, Maitena Ilardia, Iñaki Eguia, Paolo

Emilio Puddu, Mitja Lustrek: Medical Expert Support Tool (MEST): A Person-Centric Approach for Healthcare Management. ICOST 2012: 99-106

- Alberto Rugnone, Enrico Vicario, Chris D. Nugent, Mark P. Donnelly, David Craig, Cristiano Paggetti, Elena Tamburini: HomeTL: A visual formalism, based on temporal logic, for the design of home based care. CASE 2007: 747-752
- Alberto Rugnone, Francesco Poli, Enrico Vicario, Chris D. Nugent, Elena Tamburini, Cristiano Paggetti: A Visual Editor to Support the Use of Temporal Logic for ADL Monitoring. ICOST 2007: 217-22

Publication recently accepted

- Carlos Cavero Barca, ATOS, Madrid, Juan Mario Rodríguez, ATOS, Madrid, Paolo Emilio Puddu, Sapienza University of Rome, Rome Mitja Luztrek, Jo0ef Stefan Institute, Ljubljana Bo0idara Cvetkovi , Jo0ef Stefan Institute, Ljubljana Maurizio Bordone, CIMNE, Barcelona Eduardo Soudah, CIMNE, Barcelona Aitor Moreno, IBERMATICA, Donostia Pedro de la Peña, IBERMATICA, Donostia Alberto Rugnone, I+ s.r.l, Florence Francesco Foresti, I+ s.r.l, Florence Elena Tamburini, I+ s.r.l, Florence, Advanced Medical Expert Support Tool (A-MEST): EHR-based integration of multiple risk assessment solutions for congestive heart failure patients, xiii Mediterranean Conference on Medical and Biological Engineering and Computing - MEDICON 2013 - Paper 83

Certification

- **IMQ Certificate of attendance successfully to the course** %*Risk Management: from design to development of product applying the normative ISO 14971:2009*+31 March 2011.
- **Certificate of attendance successfully to the course** *European Directive MDD 93/42/EEC,* 18 December 2006.
- **Albo degli Ingegneri di Firenze**

Language[1] I speak

	Understanding				Speaking				Writing
	Listening		Reading		Spoken interaction		Spoken production		
Italian	C2	Native	C2	Native	C2	Native	C2	Native	C2
English	C1	Proficient user	C2	Proficient user	B2	Independent user	B2	Independent user	C1
French	A2	Basic User	A2	Basic User	A1	Basic User	A1	Basic User	A1

Å currently I am studying Å

I am also interesting about Scrum agile framework. I am exploring that framework to understand what and how to import in my current job. Recently NoSql database is stimulating my curiosity. They attract me a lot for their great scalability power.

Again I am very interested to find the most efficient way to test the applications from unit testing to integration and real testing. With this purpose I am exploring framework like arquilian, mockito and selenium.

I am also very enthusiastic about last enhancements of web standards stack (html5, css3 and js) can do. I am pretty confident they will be soon the most effective technology in place, even on development of mobile platform.

I am also aÅ

snowboarding and skiing big fan and also amateur practicing, good walking, tireless comics and book reader, music lover, video-game enthusiast and very beginner photographer. I am member of Club Alpino Italiano and I am a supporting member of photo Club ilBacchino

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[1] European language levels - Self Assessment Grid