Curriculum Vitae Europass

Personal information

First name(s) / Surname(s)	**Pedrini Eros**
Address(es)	**Italy**
E-mail	**eros.pedrini@e-p.name**
Nationality	Italian
City of birth	Milano (MI)
Date of birth	9th of February 1974
Gender	Male

Work experience

○ Dates	November 2011 →
○ Name and address of employer	Lumata Milano - Italy
○ Type of business or sector	Privately Held - Telecommunications industry
○ Occupation or position held	In November 2011, the privately held company *Lumata* has been founded by the joint venture of *Francisco Partners* and *Buongiorno S.p.A.* Lumata is a stand-alone company backed by Francisco Partners (70% holding) and Buongiorno S.p.A (30% holding) to provide a seamless link for operators, brands and hardware manufacturers to engage with their customers through the mobile channel. My duties are not changed after the shift from Buongiorno to Lumata (personally, this change was completely transparent), with the only exception of the adoption of agile methodologies in the development process (User Stories and SCRUM methodologies). As *Team Leader* and *Architect* for Lumata *B2B* (*Business to Business*) projects, my main responsibilities are: lead the development team, lead technical design, analyze functional specifications, abstract the complexity of a system into a manageable model, produce the technical documentation needed to the projects, act as a single-point-of-contact among the parties involved in the projects. As *Scrum Master* my main responsibilities are: remove impediments to the ability of the team to deliver the sprint goal/deliverables, act as a buffer between the team and any distracting influences.
○ Main activities and responsibilities	Currently I'm involved in a key project which goal is to create a self-services platform to support Above the Line (ATL) and Below the Line (BTL) campaigns based on different communication channels (i.e., SMS, eMail, and mobile push notification). It represents a complete solution for marketers to manage all aspects of their mobile relationships, bringing together the currently fragmented mobile channels and delivering optimized messages across the entire device universe. Before that I was involved in the following project: *MDRP* (*MiDle-layer Rest Proxy*), a new development for the *iMM* (*Instant Market Mobile*) product. *MDRP* was a short-term project, which aimed at enhancing the scalability of iMM product adding a *REST* (*REpresentational State Transfer*) middle-layer. This middle-layer has designed to reduce the time-to-market related to the development of custom Mobile Operator loyalty campaigns. Apart from these two main projects, I am also involved in other projects, mainly as consultant or for brainstorming activities.
○ Dates	August 2011 – November 2011
○ Name and address of employer	Buongiono Milano - Italy
○ Type of business or sector	Public Company - Telecommunications industry
○ Occupation or position held	*Team Leader* for Buongiono *B2B* (*Business to Business*) projects. My main responsibilities were: lead the development team, lead technical designs, analyze functional specifications, act as single-point-of-contact among the parties involved in a project.

○ Main activities and responsibilities	I was involved in the second phase of the development of *DMP* (*Digital Marketing Platform*) project. DMP was a long-term project designed as a Web application, whose purpose was to provide facilities for campaign messages scheduling along different channels (eMail, SMS, and MMS) and to allow an easy management of possible advertisements to be delivered through those messages. The second phase aimed at expanding the number of supported services introducing the support for interactive mobile campaigns. These new functionalities were based on *Buongiorno Premium platform*, which permits a more complex interaction with the final customers. This kind of services are known as *pull/push services*, because they rely on a bi-directional communication between the final customer and Buongiorno system.
○ Dates	June 2008 – July 2011
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) Università degli Studi of Milano - Italy
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Research Assistant with the role of software engineer for the *PrimeLife FP7* European Project
○ Main activities and responsibilities	I was involved in the *PrimeLife FP7* European Project. The main goal of this project was to address the core privacy and trust issues pertaining to new privacy challenges: how to protect privacy in emerging Internet applications such as collaborative scenarios and virtual communities; and how to maintain life-long privacy. Its long-term vision was to counter the trend to life-long personal data trails without compromising on functionality. It has been built upon and expands the *FP6* European Project *PRIME* that has shown how privacy technologies can enable citizens to execute their legal rights to control personal information in on-line transactions. My main task was to design and participate to the development phase of an extended version of the *XACML* (*eXtensible Access Control Markup Language*) access control engine, in order to support the advanced privacy oriented techniques defined in the project. This task was done in collaboration with *SAP* (Sophia-Antipolis - France), *IBM Research* (Zurich - Switzerland), *European Microsoft Innovation Center (EMIC)* (Aachen - Germany), and the *World Wide Web Consortium* (*W3C*). During the life-time of PrimeLife, I collaborated to other minor projects, such as the social network *Clique*, one of the first examples of privacy oriented social network.
○ Dates	March 2005 – May 2008
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) Università degli Studi of Milano - Italy
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Research Assistant with the role of Java developer for the *PRIME FP6* European Project

○ Main activities and responsibilities	I was involved in *PRIME FP6* European Project: *Privacy and Identity Management for Europe.* The PRIME project aimed at developing a working prototype of a privacy-enhancing *Identity Management System.* To foster market adoption, novel solutions for managing identities have been demonstrated in challenging real-world scenarios (e.g., Internet Communication, Airline and Airport Passenger Processes, Location-Based Services and Collaborative e-Learning). My main task was to develop the access control and policy management modules for the project. This task was done in collaboration with *HP Labs* (Bristol - UK), *Institut EURÉCOM* (Sophia-Antipolis - France), *Joint Research Centre* (*JRC*) (Ispra - Italy), and the *World Wide Web Consortium* (*W3C*). These two modules were the core of the privacy-oriented framework designed for this European Project. During the life-time of PRIME, I collaborated to the design of the *XML* policy language used within the framework, and to develop some small proof-of-concept prototypes with the goal of supporting the research in the field.
○ Dates	March 2005 – July 2011
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) Università degli Studi of Milano - Italy
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Webmaster for international research oriented websites
○ Main activities and responsibilities	I developed and managed the websites of some international conferences, institutional websites, international research organizations, and laboratories (e.g., Information Security Conference - *ISC 2009*, Working Conference on Data and Applications Security and Privacy - *DBSEC 2010*, IEEE Systems Council Technical Committee on Security and Privacy - *TCSPCIS*, Security, Privacy, and Data Protection Lab - *SPDPLab*).
○ Dates	A.Y. 2010-2011, 2011-2012, and 2012-2013
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) Università degli Studi of Milano - Italy
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Mentoring activities
○ Main activities and responsibilities	Tutor for the following university courses of the *Sicurezza dei Sistemi e delle Reti Informatiche Milano* bachelor degree (online edition):

- *Database System* (in Italian: *Basi di Dati - 12CFU*)
- *Cryptography* (in Italian: *Crittografia - 6CFU*)

○ Dates	A.Y. 2005-2006, 2006-2007, 2007-2008, 2008-2009, and 2009-2010
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) Università degli Studi of Milano - Italy
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Mentoring activities
○ Main activities and responsibilities	Tutor for the following university courses of the *Sicurezza dei Sistemi e delle Reti Informatiche Milano* bachelor degree (online edition):

- *Database System: Basic* (in Italian: *Basi di Dati: Elementi - 6CFU*)
- *Database System: Advanced* (in Italian: *Basi di Dati: Complementi - 6CFU*)
- *Cryptography* (in Italian: *Crittografia - 6CFU*)

○ Dates	November 2009 – January 2010
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) - Università degli Studi of Milano - Italy
	with the collaboration of the private company Ce.SRA - Codogno (LO)
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Lecturer for the following modules *Foundation of Computer Programming* and *Web Development* within a *FSE* course titled *Database* and *PHP*
○ Main activities and responsibilities	Teaching activities: the course was organized in two modules. The first module was focused on the *foundation of computer programming* and *database systems*; while the second part was focused on the development of simple web application (a *forum* with *user management* support). During the second module of the course, other aspects related to web application development was taken into account (e.g., *XHTML*, and *CSS*).
○ Dates	May 2008 – June 2008
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) - Università degli Studi of Milano - Italy
	with the collaboration of the *Agenzia di Sviluppo Locale della provincia di Cremona* - Reindustria - Crema (CR) and the *Istituto Tecnico L. Pacioli* (High-school) - Crema (CR)
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Lecturer for the module *Foundation of Computer Programming* within the *IFTS* course titled *Tecnico Superiore Commerciale per il Marketing e l'Organizzazione delle Vendite*
○ Main activities and responsibilities	Teaching activities: the course was focused on the *foundation of computer programming*. During the course, among the others, the following concepts was taken into account: variables, constants, functions and procedures, algorithms.
○ Dates	January 2008 – March 2008
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) - Università degli Studi of Milano - Italy
	with the collaboration of the private company Ce.SRA - Codogno (LO)
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Lecturer for the module *Foundation of Computer Programming* within the *IFTS* course titled *Tecnico per Database and Security Administrator*
○ Main activities and responsibilities	Teaching activities: the course was focused on the *Reindustria*. During the course, among the others, the following concepts was taken into account: variables, constants, functions and procedures, algorithms.

○ Dates	April 2007
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) - Università degli Studi of Milano - Italy
	with the collaboration of the private company Ce.SRA - Codogno (LO)
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Lecturer for the module *Foundation of Computer Programming* within the *IFTS* course titled *Tecnico per Database and Security Administrator*
○ Main activities and responsibilities	Teaching activities: the course was focused on the *foundation of computer programming*. During the course, among the others, the following concepts was taken into account: variables, constants, functions and procedures, algorithms.
○ Dates	April 2007
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) - Università degli Studi of Milano - Italy
	with the collaboration of the *Agenzia di Sviluppo Locale della provincia di Cremona - Reindustria* - Crema (CR)
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Lecturer for the module *Information Technology Systems* within the teaching project *Polo Formativo della Cosmesi - azione Formazione dei Formatori*
○ Main activities and responsibilities	Teaching activities: the course was focused on *Information Technology Systems*.
○ Dates	November 2006 – February 2007
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) - Università degli Studi of Milano - Italy
	with the collaboration of the private company Ce.SRA - Codogno (LO)
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Lecturer for the module *Java Language* within the teaching project *Polo Formativo per le Tecnologie Avanzate dell'Industria e dell'Artigianato*
○ Main activities and responsibilities	Teaching activities: the course was composed of two modules. The first module was focused on the *foundation of computer programming* using *Java* as reference programming language (the concepts of variables, constants, functions and procedures, algorithms have been taken into account); while the second module was focused on the development of simple a game for the *J2ME* mobile platform.
○ Dates	May 2006
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) - Università degli Studi of Milano - Italy
	with the collaboration of the private company ETC - Crema (CR)
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Lecturer for the module *Database Systems* within the *IFTS* course titled *Tecnici Superiori di Informatica Industriale*
○ Main activities and responsibilities	Teaching activities: the course was composed of two modules. The first module was focused on the *foundation of database systems* (the concepts of SQL, Entity-Relation diagrams have been taken into account); while the second module was focused on the development of management system using *MySql DBMS* and *PHP* as programming language.

○ Dates	February 2006
○ Name and address of employer	Dipartimento di Tecnologie dell'Informazione (DTI) - Crema (CR) - Università degli Studi of Milano - Italy
	with the collaboration of the *Istituto Tecnico L. Pacioli* (High-school) - Crema (CR)
○ Type of business or sector	Educational Institution - Research industry
○ Occupation or position held	Lecturer for the module *Database Systems* within the *IFTS* course titled *Tecnico Superiore per la Comunicazione e il Multimedia*
○ Main activities and responsibilities	Teaching activities: the course was focused on the *foundation of database systems*. For instance, the concepts of SQL, Entity-Relation diagrams was taken into account).
○ Dates	December 2002 – December 2004
○ Name and address of employer	STMicroelettronics S.p.A. - Agrate Brianza (MI) - Italy
	R&D Laboratory at the Dipartimento di Tecnologie dell'Informazione di Crema (CR) - Italy
○ Type of business or sector	Private Company - Semiconductors industry
○ Occupation or position held	Consultant
○ Main activities and responsibilities	I was involved in different projects related to the design and development of software and hardware prototypes in the automotive and mobile fields. During this period, the development tasks was done using Assembler, C, and C++ languages. Among the other projects the main ones were:

- *Design and development of voice cryptographic system in the mobile field*; the prototype was developed using a smart-phone with *Microsoft WindowsCE* operative system. The main goals of the project were to develop a system for the secure communication and authentication. The prototype used the *Diffie-Hellman* schema in order to support secure key exchange and the *RC4* cryptographic algorithm for data confidentiality. During this project, I was the main contact point for the development of the software for the prototype and I was involved in the study of a new cryptographic algorithm based on *Galois* fields (*Linear Feedback Shift Register*) in collaboration with the STM R&D laboratory of Naples.
- *Design and development of an automotive telemetry system based on the GSM/GPRS mobile network*. In this project, I was mainly involved in the development of the communication libraries between the *DSP* (*Digital Signal Processor*) and the *GSM/GPRS* module using the standard *AT command*. I have also been involved in the development of the testing application used to verify the end-to-end flows of the system.
- *Design and development of an automotive Neuro-Fuzzy coprocessor* to be used in a new line of automotive *DSP*s. The design and testing phases were realized in *SystemC* (using the *Synopsys CoCentric System Studio*).

○ Dates	September 2003 – June 2004
○ Name and address of employer	*Istituto C.A.P.* (High School) - Crema (CR) - Italy
○ Type of business or sector	Private school
○ Occupation or position held	Lecturer for the course *Informatica e Sistemi* for a third year class (*ITIS - Indirizzo Informatica*)
○ Main activities and responsibilities	Teaching activities: the course was mainly focused on two aspects: the *foundation of electronic systems* (e.g., flip-flop, latch, memories) and the *foundation of computer programming* (e.g., variables, constants, functions and procedures, algorithms).

○ Dates	June 2002 – December 2002
○ Name and address of employer	STMicroelettronics S.p.A. - Agrate Brianza (MI) - Italy R&D Laboratory at the Dipartimento di Tecnologie dell'Informazione di Crema (CR) - Italy
○ Type of business or sector	Public Company - Semiconductors industry
○ Occupation or position held	Trainee
○ Main activities and responsibilities	I was involved in the design and development of HW/SW systems to increase the active security in automotive field (e.g., *blind-spot* and *lane-warning* systems). The main goal of this research was to adopt soft-computing technology (i.e., *fuzzy-logic* and *artificial neural network*) in order to analyze a stream of images in real time using *DSP* (*Digital Signal Processor*) based systems.

○ Dates	September 2001 →
○ Name and address of employer	Cities of Monte Cremasco (CR) and Vaiano Cremasco (CR) - Italy
○ Type of business or sector	Public Administration
○ Occupation or position held	Consultant
○ Main activities and responsibilities	I was involved in application development and network management for the areas that are not covered by the ordinary support service contracts in act. During the last years, this activity has been strongly reduced and mainly focused on the maintenance of the systems installed at the municipal libraries.

Publications and patents

○ Patents	Coinventor of the international patent *Method and device for extracting a subset of data from a set of data*, registered as *United States Patent Application – US Patent n. 7,333,675* – 2003
○ Books	S. Foresti, E. Pedrini e S. De Capitani di Vimercati, "Eserciziario di Basi di Dati," Pitagora Editrice - Bologna, 2006, (in Italian)
○ Chapters in book	C. A. Ardagna, S. De Capitani Di Vimercati, G. Neven, S. Paraboschi, E. Pedrini, F.-S. Preiss, P. Samarati, and M. Verdicchio, "Advances in Access Control Policies," Privacy and Identity Management for Life, J. Camenisch, S. Fischer-Huebner, and K. Rannenberg (eds.), Springer, 2011

C. A. Ardagna, S. De Capitani di Vimercati, E. Pedrini, and P. Samarati, "Privacy-Aware Access Control System: Evaluation and Decision," in Digital Privacy: PRIME - Privacy and Identity Management for Europe, J. Camenisch, R. Leenes, and D. Sommer (eds.), Springer, 2011 |
| ○ Papers | C. A. Ardagna, S. De Capitani di Vimercati, S. Paraboschi, E. Pedrini, P. Samarati, and M. Verdicchio, "Expressive and Deployable Access Control in Open Web Service Applications," in IEEE Transactions on Service Computing (TSC), 2011

C. A. Ardagna, S. De Capitani di Vimercati, E. Pedrini, S. Paraboschi, P. Samarati, and M. Verdicchio, "Extending XACML for Open Web-based Scenarios," in Proc. of the W3C Workshop on Access Control Application Scenarios, Luxemburg, 17-18 November 2009 |

C. A. Ardagna, L. Bussard, S. De Capitani di Vimercati, G. Neven, E. Pedrini, S. Paraboschi, F.S. Preiss, P. Samarati, S. Trabelsi, and M. Verdicchio, "PrimeLife Policy Language," in Proc. of the W3C Workshop on Access Control Application Scenarios, Luxemburg, 17-18 November 2009

C. A. Ardagna, S. De Capitani di Vimercati, S. Paraboschi, E. Pedrini, and P. Samarati, "An XACML-Based Privacy-Centered Access Control System," in Proc. of the 1st ACM Workshop on Information Security Governance (WISG 2009), Chicago, Illinois, USA, 13 November 2009

Education and training

○ Dates	February 2011 – May 2011
○ Name and type of organisation providing education and training	Basic Course of Spanish Language Organized by the municipality of Bagnolo Cremasco (CR) - Italy
○ Principal subjects/occupational skills covered	Basic Course of Spanish Language with the goal of obtaining the A2/B1 European level (according to Common European Framework of Reference for Languages).
○ Title of qualification awarded	not provided
○ Level in national or international classification	
○ Dates	2009 →
○ Name and type of organisation providing education and training	Politecnico di Milano – Computer Science Engineering (bachelor degree) Milano (MI) - Italy
○ Principal subjects/occupational skills covered	Computer science, Electronic
○ Title of qualification awarded	–
○ Level in national or international classification	–
○ Dates	July 2008 – August 2008
○ Name and type of organisation providing education and training	*IPCS–2008 (Intesive Program for Computer and Security)* Summer school Regensburg - Germany
○ Principal subjects/occupational skills covered	The main topics were: • access control systems; • cryptography; • intrusion detection systems; • privacy and data protection.
○ Title of qualification awarded	not provided
○ Level in national or international classification	

○ Dates	December 2003
○ Name and type of organisation providing education and training	R&D Laboratory at STMicroelettronics S.p.A. Cornaredo - Castelletto (MI) - Italy
○ Principal subjects/occupational skills covered	Internal training course: *low-level* DSP *programming (assembler)*. The course was focused on the high-performance DSP produced by STMicroelettronics itself and on how to develop *SIMD* programs.
○ Title of qualification awarded	not provided
○ Level in national or international classification	

○ Dates	June 2003
○ Name and type of organisation providing education and training	R&D Laboratory at STMicroelettronics S.p.A. Agrate Brianza (MI) - Italy
○ Principal subjects/occupational skills covered	Internal training course: *SystemC: Hardware modeling.* The main topics were: • SystemC modeling levels; • from SW algorithm to SystemC model; • SystemC and HDL in Synopsys CoCentric System Studio; • from SystemC model to HW implementation via Synopsys Compiler.
○ Title of qualification awarded	not provided
○ Level in national or international classification	

○ Dates	1993 – 2002
○ Name and type of organisation providing education and training	Politecnico di Milano – Computer Science Engineering (five-year degree) Milano (MI) - Italy
○ Principal subjects/occupational skills covered	Computer science, Electronic
○ Title of qualification awarded	–
○ Level in national or international classification	not achieved; abandonment of studies during the fifth year (off the graduation time)

○ Dates	1989 – 1993
○ Name and type of organisation providing education and training	Liceo Scientifico Leonardo da Vinci (High school) Crema (CR) - Italy
○ Principal subjects/occupational skills covered	Mathematics, Physics, Latin
○ Title of qualification awarded	High school diploma
○ Level in national or international classification	Diploma

Personal skills and competences

○ Mother tongue(s)

Italian

○ Other language(s)

○ Self-assessment
European level (*)

Understanding		Speaking		Writing
Listening	*Reading*	*Spoken interaction*	*Spoken production*	
B2 – Independent user	C2 – Proficient user	B2 – Independent user	C1 – Proficient user	B2 – Independent user
A1 – Basic user	A1 – Basic user	A1 – Basic user	A1 – Basic user	A1 – Basic user

English

Spanish

(*) Common European Framework of Reference for Languages

○ Social skills and competences

I can work in team, communicate with colleagues and superiors (identifying the most appropriate communication mode depending on situations), and be proactive in solving problems.
I can explain clearly and accurately the results of my activities, both in front of a technical audience and not, always maintaining a good level of understanding.

○ Organisational skills and competences

I am able to manage and organize my work to meet to the deadlines.

○ Technical skills and competences

Knowledge gained in the academic, professional, and personal environments:

- Applications:
    - excellent knowledge of LaTeX application;
    - excellent knowledge of Gnuplot application;
    - reasonable knowledge of HW/SW modelling/simulation applications: *CoCentrinc System Studio* and *Cadence*;
    - sufficient knowledge of *Adobe Photoshop* and *Adobe Flash*;
    - excellent knowledge of the major Office automation applications (e.g., MS-Office suite, OpenOffice suite).

○ Computer skills and competences

- Operating systems:
    - good knowledge of the Microsoft operating systems (desktop and workstation versions); sufficient knowledge of the server versions;
    - reasonable knowledge of Linux/Unix operating systems.
- Network:
    - reasonable knowledge of the TCP/IP network protocols and of the related security issues;
    - good knowledge of *SOAP* (WebServices), *REST*, *RMI/RPC* protocols in Java, MS-DotNet, and PHP environments.
- Programming:
    - excellent knowledge of *C* and *C++* languages (both in Windows (Visual Studio) and Linux/Unix (GCC) environments);
    - excellent knowledge of *Java* language (i.e., *J2SE*, *J2EE*, *J2ME*, Java for *Android*);
    - good knowledge of *C#* language.

- Development Framework:
  - reasonable knowledge of *Spring*: it is an open source application framework and inversion of control container (IOC) for the Java platform;
  - reasonable knowledge of *Hybernate*: it is is an object-relational mapping (ORM) library for the Java language;
  - reasonable knowledge of *MyBatis*: it is a data mapper framework designed to map relational database to object-oriented applications (based on *iBATIS*).
- Database Management System:
  - excellent knowledge of the major RDBMSs (*Relational Database Management System*): MySQL, PostgreSQL, and Microsoft SQLServer;
  - good knowledge of the major embedded RDBMSs (open-source): SQLLite, HSSQLDB, H2O;
  - good knowledge of Microsoft Access.
- Applications:
  - excellent knowledge of the major programming IDEs: *Eclipse*, *MS Visual Studio*, and *NetBeans*.
  - good knowledge of the following *Project Management Tools*: *Rally* (Agile Project Management for Agile Development), *Redmine* (project management web application with support for issue tracking system, time tracking, and files/documents management), *Jira* (bug tracking, issue tracking, and project management tools), and *GreenHopper* (a *Jira* plugin with support for Agile);
  - reasonable knowledge of the following issue tracking system: *Trac*.
- Others:
  - good knowledge of *ActiveMQ*: it is an open source message broker that fully implements the *Java Message Service* 1.1 (*JMS*);
  - good knowledge of the followin *Source Code Management* systems *SCM*: *Concurrent Versions System* (CVS), *Apache Subversion* (SVN), and *Git*.

○ Artistic skills and competences

- drawing;
- Caribbean and ballroom Dance.

○ Others skills and competences

- Shotokan karate, 3rd-dan black belt;
- kick-boxing, 2nd-dan black belt;
- boxe (amateur);
- Open Source Projects:
  - *Pri-View*: it is a tool that allows, given a relational table, to produce views (vertical fragments) over it, in such a way to protect the privacy of possible sensitive information while providing maximal visibility over the data. Pri-Views is based on a greedy algorithm designed by the universities of Bergamo (Università degli Studi di Bergamo - Dipartimento di Ingegneria dell'Informazione e Metodi Matematici) and Milano (Università degli Studi di Milano - Dipartimento di Tecnologie dell'Informazione) to solve the problem of creating unlinkable fragments in the storage of sensitive attributes. The presented algorithm departs from the use of encryption, while usually in the literature, this kind of problem has been addressed using both fragmentation and encryption. `http://code.google.com/p/pri-views/`

- *Over-Encrypt*: this open-source project provides a secure solution for data sharing capabilities in an outsourcing scenario, where the storage service provider is trusted neither for data confidentiality nor for enforcing access control functionalities. Over-Encrypt is a prototype of a safe and privacy-aware client-server web application, designed by the universities of Bergamo (Università degli Studi di Bergamo - Dipartimento di Ingegneria dell'Informazione e Metodi Matematici) and Milano (Università degli Studi di Milano - Dipartimento di Tecnologie dell'Informazione). The strong points of this solution lie in the scalability and efficiency of the data outsourcing mechanism, and in the decentralized management of access control policies and their evolution. Over-Encrypt project comes within the European project PrimeLife (7th Framework Programme). `http://sourceforge.net/apps/mediawiki/over-encrypt/`
- *Meemidroid*: it is an open-source client for the Italian social network *Meemi*. `http://code.google.com/p/meemidroid/`

Signature

Milano (Mi), 8 aprile 2013   Pedrini Eros

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I authorize the treatment of my personal data pursuant under the Italian Legislative Decree of the 30th June 2003, n. 196 "Code regarding personal data protection".

Pedrini Eros

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European Levels – Self Assessment Grid

		A1	A2	B1	B2	C1	C2
UNDERSTANDING	*Listening*	I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly.	I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g. very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements.	I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear.	I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect.	I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort.	I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided I have some time to get familiar with the accent.
	Reading	I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues.	I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters.	I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters.	I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes orviewpoints. I can understand contemporary literary prose.	I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field.	I can read with ease virtually all forms of the written language, including abstract, structurally or linguistically complex texts such as manuals, specialised articles and literary works.
SPEAKING	*Spoken interaction*	I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics.	I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself.	I can deal with most situations likely to arise whilst travelling in an area where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g. family, hobbies, work, travel and current events).	I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views.	I can express myself fluently and spontaneously without much obvious searching for expressions. I can use language flexibly and effectively for social and professional purposes. I can formulate ideas and opinions with precision and relate my contribution skilfully to those of other speakers.	I can take part effortlessly in any conversation or discussion and have a good familiarity with idiomatic expressions and colloquialisms. I can express myself fluently and convey finer shades of meaning precisely. If I do have a problem I can backtrack and restructure around the difficulty so smoothly that other people are hardly aware of it.
	Spoken production	I can use simple phrases and sentences to describe where I live and people I know.	I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job.	I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions.	I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.	I can present clear, detailed descriptions of complex subjects integrating subthemes, developing particular points and rounding off with an appropriate conclusion.	I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points.
WRITING		I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form.	I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something.	I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions.	I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences.	I can express myself in clear, wellstructured text, expressing points of view, at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind.	I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works.