

Matteo Mattei

Personal informations:

- *Born* in Florence - Italy on 5th February 1982.
- *Living* in Campi Bisenzio (FI) - Italy.
- *Citizenship* Italian.
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- *Github* [matteomattei](#)
- *Telephone number* +39 340 8846263

Languages:

- *Italian* mother tongue.
- *English* good written and spoken.
- *Spanish* under studying

Subscriptions and Certifications:

- [Ordine degli ingegneri della provincia di Firenze](#).
- [ISIPM-Base](#) certification (Italian Institute of Project Management).

Independent coursework:

- 2013 – MongoDB for DBA state of accomplishment – course held by [MongoDB](#)

University.

- 2013 – MongoDB for developers state of accomplishment – course held by [MongoDB University](#).
- 2013 – Startup Engineering – Course held by [Stanford University](#).
- 2013 – PRTI – Personal Review & Team Inspection applied to software. Course held by [Danaher](#)
- 2012 – Project Manager – Esperto in progettazione e rendicontazione. Course held by [Stargate Consulting](#).
- 2011 – Project Management in Open Source software development model: Organizational models, case studies. Course held and recognized by [Regione Toscana](#).
- 2011 – Project Management in Open Source software development model: Community development. Course held and recognized by [Regione Toscana](#).
- 2011 – Project Management in Open Source software development model: Bugtracking Tools. Course held and recognized by [Regione Toscana](#).
- 2011 – Project Management in Open Source software development model: Control Systems. Course held and recognized by [Regione Toscana](#).
- 2011 – Project Management in Open Source software development model: Cathedral vs Bazaar. Course held and recognized by [Regione Toscana](#).
- 2009 – Virtualization Experience with VMWare ESX. Course held by [Computer Gross](#) (IBM business partner).
- 2007 – Computer, Network and Wireless Forensics at Pisa's University. Course held by [Raggruppamento Carabinieri Investigazioni Scientifiche](#).

Studies and trainings:

- *June 2007* Certification CCNA at [Pisa's University](#) after network infrastructure course during 2005.
- *February 2006* Bachelor degree in Computer Engineering at [Pisa's University](#).
- *October 2005* Participation at Net&SystemSecurity conference at Pisa.
- *July/August 2005* Collaboration at [Pisa's CNR](#) for the [MobileMan](#) project that pointed to the creation of a wireless ad-hoc multi-hop network.
- *May 2005* Talk during [Linux World Expo](#) in Milan for the presentation of [QLFS](#) project (Quick - Linux From Scratch).
- *April-September 2004* Training at [Develer s.r.l.](#) where I worked as a software developer for the interface programmed with smart-card for professional audio amplifiers for [Powersoft](#).
- *March 2004* Training at [Seac s.r.l](#) where I worked as a maintainer of a software used for blood analysis.
- *April 2004* Degree in Developer of Multimedia Application supported by European Community and Tuscany Region after a course of 600 hours with [Centro Studi CSCS](#), during that I developed with others students the videogame [Omegawar](#).
- *July 2001* scientific graduation at [Niccolò Copernico](#) school in Prato.

Working experiences:

- *March 2014* I developed a web application (CyanideChecker) for [Bluclad s.r.l.](#) that is used to check and monitor quantity of Cyanide to sell:
 - HTML5
 - jQuery
 - Ajax
 - Twitter Bootstrap
 - CodeIgniter PHP MVC framework
 - MySQL
- *November 2013* I developed a web application for medical colposcopists to validate and analyze images of clinical cases:
 - HTML5
 - jQuery
 - Ajax
 - Twitter Bootstrap
 - CodeIgniter PHP MVC framework
 - MySQL
- *October 2013/Present* Platform Leader for [Gilbarco Veeder Root](#) where I lead the development of all the three outdoor payment platforms of Gilbarco Veeder Root: M3, NGP and Vanguard. I am responsible for reliability tests and strategic platform choices that involve Linux kernel, device drivers tuning, build environment setup and platform system architecture:
 - Platform leader.
 - Linux internals.
 - Device drivers.
 - System architecture.
 - C/C++.
 - Python.
 - Bash.
 - Linux security.
 - Protocols.
 - Algorithms.
 - Mentor and trainer.
 - Product development.
- *January 2012/September 2013* Team Leader for NGP global platform for [Gilbarco Veeder Root](#) where I lead a team of five software developers in Florence (Italy) keeping contacts with the headquarter technical resources and the project manager in Greensboro, NC. I am responsible for SPOT software development and release deliveries:
 - Project leader.
 - Delivery and configuration manager.

- Team working / Team building.
 - Ability to build relationships across the organization.
 - Use limited, available resources to overcome obstacles and meet deadlines.
 - Handling priorities, demands and time lines.
 - Assign and weigh activities based on time and complexity.
 - Plan, prioritize and manage multiple tasks.
 - Scrum Master.
 - Mentor and trainer.
 - Linux server administration.
 - Software development.
 - Jira.
 - Crucible.
 - C/C++.
 - Python.
 - PHP.
 - Shell scripting.
 - Linux kernel internals.
- *December 2008* Consultant for [Gilbarco Veeder Root](#) where I worked as Software Engineer and Linux System Administrator for a US project of the new payment platform (NGP) for oil stations:
 - Linux server administration.
 - Shell scripting.
 - Linux kernel internals.
 - C/C++.
 - Python.
 - Perl.
 - PHP.
 - Awk.
 - Sed.
 - Subversion.
 - sh / bash scripting.
 - Makefile / GNU toolchain.
 - Ubuntu Servers.
- *June 2008/Present* Consultant and System Architect at [Bluclad s.r.l.](#) where I managed all the IT infrastructures of the company:
 - Linux server administration.
 - Windows 2003 server administration.
 - Samba.
 - NFS.
 - LAMP stack (Linux, Apache, MySQL, PHP).
 - OpenLDAP.
 - Raid software with MDADM.
 - Backup procedures.
 - Network troubleshooting.
 - PHP development.

- Ubuntu servers.
- Archlinux clients.
- Windows servers and clients.
- *2005/Present* Journalist at [LinuxPro](#):
 - Content writer
 - Translator
- *November 2011* I developed a hotel reservation module in PHP for [Altrosito](#) web agency:
 - PHP Codeigniter MVC framework.
 - MySQL.
 - CSS3.
 - HTML5.
 - jQuery.
- *2010-2011* Linux System administrator for MusicArea website. I also developed a PHP script to convert variable bitrate MP3 in a fixed and light bitrate MP3 using LAME tool.
 - PHP development.
 - Apache virtualhost customization.
 - Linux system administration (CentOS).
 - PHP modules installation: ImageMagick.
- *January-August 2011* I participate to the development of the web portal [Visualchallenge](#) for marketing division of Piaggio, Aprilia and Coin for [MadeToSell](#). This project handles third-level domains at runtime.
 - Linux system administration.
 - Apache Virtualhost management.
 - FTP server management.
 - PHP development.
 - MySQL.
 - jQuery.
 - PHP Codeigniter MVC framework.
 - CodeIgniter custom libraries.
 - Subversion.
 - DNS management.
- *October-December 2010* I participate to the development of the web portal [Vendere In Stile](#) for sellers of Sony Italy for [MadeToSell](#). This project handles third-level domains at runtime.
 - Linux system administration.
 - Apache Virtualhost management.
 - FTP server management.
 - PHP development.
 - MySQL.
 - jQuery.
 - PHP Codeigniter MVC framework.
 - CodeIgniter custom libraries.

- Subversion.
- DNS management.
- *June-September 2010* I developed the web portal [Controllo di Qualità in Colposcopia](#) for colposcopist doctors of the [Regione Emilia Romagna](#). This project is comply to the norms of security and accessibility described on ERMES.
 - PHP.
 - Javascript.
 - CSS2.
 - Mysql.
 - XHTMLT Strict and all ERMES standard used.
- *2010* I developed a web front-end for Hylafax for [Bluclad s.r.l.](#)
 - PHP Codeigniter MVC framework.
 - XML database storage.
 - PDF conversions.
- *2010* I developed a web application called ShareDoc for [Bluclad s.r.l.](#) to permit to share documents with Gucci:
 - PHP Codeigniter MVC framework.
 - MySQL.
 - jQuery.
 - Runtime PDF generation.
 - Access lists.
- *December 2009* I developed the back-end and the front-end to insert news in pdf on [Vetreria Azzimonti](#) for [Altrosito s.a.s.](#)
 - PHP.
 - MySQL.
- *November 2009* Consultant as Linux System Administrator for [Intes s.r.l.](#) where I worked for the OS initialization (u-boot, kernel e x-load) and of the operative system itself on [BeagleBoard](#) for a new medical machine.
 - AngStrom Linux distribution.
 - U-boot script customization.
 - Beagleboard.
 - Linux kernel tuning.
 - Production installation procedure development.
- *September 2009/October 2010* Linux System Administrator for [diunamaishop.it](#).
 - Apache and MySQL server monitoring.
- *June 2009* I held a course of “Linux System Administration” at [Metaphoraformazione](#).
- *February 2009* Linux System Administrator for [Altrosito s.a.s.](#)
 - PHP.
 - Qmail.

- Apache tuning for virtualhosts.
- Plesk.
- Backup management.
- Bash scripting.
- *2008-2009* Linux System Administrator for [NextOne Media Limited](#) (UK).
 - Apache.
 - MySQL tuning.
- *December 2008* Linux System Administrator for [Simbal](#) web agency.
 - CentOS and Debian servers.
 - Apache tuning.
 - PHP modules installation.
 - PHP development for PDF generation for [ilMeteo.it](#).
- *October 2008* Consultant and System Administrator in a dental surgery.
 - Mixed network environment (linux/windows).
 - Samba management.
 - Printers management.
- *October 2008* I developed the website [www.monicabedini.it](#) for selling arts.
 - Drupal / Wordpress
 - PHP.
 - CSS2/CSS3.
 - Javascript.
- *September 2008* I developed the website [www.praedium.it](#) for leases and sales of prestigious buildings in Florence.
 - XHTML.
 - PHP.
 - CSS2.
- *September 2008* I developed a web application (Sesterzio) and the related website for [FinFlorence](#), a loan and financial Italian company.
 - MySQL.
 - PHP backend.
 - Javascript.
- *June/November 2008* Consultant at [Gilbarco Veeder Root](#) where I developed the SPOT SDK for the SPOT-M3 platform.
 - ColdFire CPU.
 - Makefile.
 - GNU toolchain.
 - Suse Linux.
 - uClinux.
 - Busybox.
 - *June 2008* Handling of a multi-domain mail server for [Piesseti S.n.C.](#).

- Postfix.
- Squid proxy.
- Debian server.
- *June 2008* Consultant for [Sintesisgroup s.r.l.](#) where I deal with automatic backup of Linux servers on external drives.
 - Debian servers.
 - Extensive Bash scripting.
 - Backup management.
- *February/April 2008* I developed Archimede, a software for a chemical laboratory for [Bluclad s.r.l.](#)
 - Project management.
 - Hand made PHP framework (like MVC)
 - MySQLi.
 - Javascript.
 - Ajax.
- *June 2007* Consultant for the web agency [Tek01](#) where I developed some utility scripts to recover server-side services and I strength their server's security.
 - Bash.
 - System administration.
- *June 2007/January 2008* Consultant at [Gilbarco Veeder Root S.p.A.](#) where I worked as software developer and maintainer of Exxon kernel for Italy, England, Cyprus and Ireland.
 - C++.
 - Qt graphic library.
 - ClearCase.
 - Faircom database.
 - Microsoft Visual Studio.
- *March/May 2007* I developed a software in PHP + MySql for [Prisma s.r.l.](#) to calibrate balances.
 - PHP.
 - MySQL.
 - Runtime PDF generation.
 - Javascript.
- *January/February 2007* Linux System Administrator at [Cecchi biz](#) where I installed linux distributions on two Cobalt Raq4 server, and two Apple Xserve and I also configured a VoIP exchange with Asterisk.
 - Asterisk configuration.
 - Trixbox and FreePBX.
 - Linux software raid configuration.
- *2006-2007* Consultant for [Develer.srl](#) at [Gilbarco Veeder Root S.p.A.](#) where I was implied in the software development (C++ & SQL) for applications to

manage Gasoline stations for Finland.

- Clearcase.
- C++.
- Qt graphic libraries.
- Microsoft Visual Studio.
- Visual Basic.
- SQL.

Computer languages:

- PHP4, PHP5.x (advanced level)
- Unix Shell (sh and bash Scripting) (advanced level)
- (X)HTML, HTML5, CSS2, CSS3 (advanced level)
- jQuery/Javascript (advanced level)
- SQL, MySQL, PostgreSQL (intermediate level)
- Python (intermediate level)
- C/C++ (intermediate level)
- Node js (intermediate level)
- Visual Basic 6 (basic level)
- Perl (basic level)
- Java (basic level)

Operative Systems:

- Gnu/Linux advanced level.
- Windows advanced level.
- *Bsd intermediate level.

Working methodologies:

- SCRUM
- Agile
- XP (eXtreme Programming)

Experiences:

- Project management.
- Configuration management.
- Clients relationship.
- Release and delivery management.
- Revision Control Systems (SVN, Git, CVS, ClearCase).
- Build management (Makefile, gcc, linker, patch, shell scripts, ...).
- Team working / Team building.
- System and network administration.
- Networking (wired, wireless, switch, router, protocols, ...).
- Software development.

Open Source projects and personal contributions:

- Public projects are available at my [GitHub page](#).
- I developed a new functionality in [CodeIgniter](#) PHP framework to send email attachment using string buffer and mime-type instead of physical files.
- I cooperate in the development of [PyUbootImage](#), a Python library to read and parse u-boot multi-image files.
- I cooperate in the development of [PyRomfsImage](#) a Python library to read and parse ROMfs files.
- I developed a patch for [rootstock project](#) to make available a better compression with bzip2 and a comment filter on manifest file.
- I was the initial author of [wizbackup](#), a script to automatize incremental backups using ssh and rsync. This project is currently used to backup the server farm of the [Free Software Foundation](#).
- Coordinator of [spaghettilinux.org](#).
- Founder and developer of [QLFS](#).
- Member of [LFS-Italia](#).
- Author of QLFS-LIVE
- I contributed to the porting of a wireless driver for a Linux Embedded board: [Fox Board](#).
- I developed a patch for [phpldapadmin](#) for HTTP authentication.

Publications:

I write articles for some Italian Linux magazines. At [this link](#) (not updated due to lack of time) is available the list of the publications made on Linux Pro and Linux Magazine.

Resume summary:

I believe in Open Source software and Linux. I currently work as platform lead for a US multinational company, leader in fuel dispensers and outdoor payment systems. I also work as a freelance computer engineer for various companies as Linux system administrator and web developer.

I am always ready to learn new technologies and improve my skills. I've not problem to move outside my country and I am willing to relocate wherever there is a good opportunity of professional growth.

I am used to work in small, medium and big companies and I have no problem working under pressure in mission critical projects.