

# Matteo Mattei

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## Personal informations:

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- *Born* in Florence - Italy on 5th February 1982.
- *Living* in Campi Bisenzio (FI) - Italy.
- *Citizenship* Italian.
- *Working e-mail* [info@matteomattei.com](mailto:info@matteomattei.com)
- *Personal e-mail* [matteo.mattei@gmail.com](mailto:matteo.mattei@gmail.com)
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- *Facebook* [matte0matte1](#)
- *Twitter* [matteomattei](#)
- *Github* [matteomattei](#)
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- *Telephone number* +39 340 8846263

## Languages:

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

## Subscriptions and Certifications:

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- [ISIPM-Base](#) certification (Italian Institute of Project Management).

## Independent coursework:

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- 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:

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- *March 2016* Problem Solving Process course hold by Danaher Corporations at Gilbarco Veeder Root.
- *2015 - 2016* Efficacia Operativa Personale & Efficacia Operativa Interpersonale - at Gilbarco Veeder Root.
- *2014* PMP (Project Management Professional) by PMI at Gilbarco Veeder Root.
- *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:

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- *April 2019/Present* Full Stack consultant at [AEP Ticketing Solutions s.r.l](#) where I work in a team responsible to handle ticket payments for EMV cards and process them against several PSP (payment service providers).
  - nodejs
  - php
  - redis
  - mysql
  - bull queues
  - mongodb
  - load balancing
  - fare rule engine
  - payment batch processing
  - retail/transit EMV payments
  - ISO 8859
  - PSP gateway interfaces
  - TLS mutual authentication
- *December 2019/Present* IT consultant at [Luxury Brands Control](#).
- *February 2017/Present* DevOps and Project Manager. I am part of the great [Qboxmail s.r.l.](#) team. Beyond the supervision and planning of the qboxmail projects, I also have hands on the development, devops and system administration. We manage hundred servers used every day by hundred thousands people around the world.
  - Dovecot
  - Full text search (solr, flatcurve)
  - Antispam
  - Antivirus
  - Sieve filters
  - Postfix
  - Zone-mta
  - Nodejs
  - Ruby
  - PHP
  - Reactjs
  - Flask
  - Python
  - Bash
  - Application deployment
  - Complex server infrastructures
  - Backup management
  - Redis
  - Mongodb

- MySQL
- Docker
- Keepalived
- Whmcs
- Proxmox
- RedHat Enterprise Virtualization (ovirt)
- Munin
- protocols (POP, IMAP, SMTP, SIEVE, SASL, CALDAV, CARDAV)
- REST Api
- Websocket
- SSL certificates
- *October 2016/November 2022* CTO for [Agronit group s.r.l.](#) where I lead the technological part of the company using the latest technologies to prepare the next generation agritech platform.
- *2015/Present* Co-Founder of [Chip2Bit](#).
- *2015/2018* Co-Founder of [Rooma](#) a SaaS platform to help B&B, hostels, little hotel, motel, etc... to manage reservations.
  - NodeJS (expressjs)
  - CouchDB (live sync through multiple devices)
  - PHP
  - PayPal API with recurring payments
  - MySQL
  - SSL certificates
  - CodeIgniter 3.x
- *November 2015/December 2019* IT Manager, System Administrator and web software developer at [Luxury Brands Control](#) where I designed, configured and installed the network infrastructure and the client and server hosts. I also developed the internal software [PeltPro](#) to manage all operations of the laboratory.
  - Router/switches/access points
  - Firewalling (iptables) and masquerading
  - DHCP
  - RaspberryPi installed as a kiosk system on a HDMI TV to monitor status of the measured leathers.
  - Barcode scanners.
  - PHP5
  - MySQL
  - Python
  - Bash
- *June 2015/Present* I cover the role of Linux System Administrator and Cloud Architect at [ShoppingScanner](#) where I am responsible to maintain, design and hold the entire server infrastructure and build automated services for backup and background operations:
  - HTML5
  - PHP (CodeIgniter)
  - Linux System Administration
  - Apache
  - MySQL
  - Python
  - S3 API
  - CDN (content delivery network)
  - Sphinx search engine
  - Memcached
  - GIT
  - Load balancer
- *2015* I developed [UsbAtlas](#) with the sponsorship of [Fondazione Umberto Veronesi](#) for doctors of Congo during the program of Quality control in colposcopy. The application has been developed as a single page application using AngularJS and converted in executable using node webkit (nwbuild) to be installed in USB sticks.
  - HTML5
  - AngularJs
  - JSON
  - Javascript
  - jQuery

- CSS3
  - node webkit
- 2015 I am a Co-Founder of [ColposcopyApp](#) a new model of Quality Control in Colposcopy Screening for improving interobserver reproducibility and diagnosis consensus, representing a tool for Continuing Medical Education and diagnostic accuracy improvement.
- October 2014/Present I cover the role of CTO and Co-Founder of [MyResApp](#) where I am responsible to maintain, design and lead the development of the platform:
  - HTML5
  - jQuery
  - Ajax
  - Twitter Bootstrap
  - CodeIgniter PHP MVC framework
  - Nginx
  - Apache
  - NodeJs (ExpressJs)
  - MySQL
  - MongoDB
  - Amazon Route 53
  - Amazon SES
  - Amazon S3
  - Amazon EC2
- 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/February 2017 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 [Blucad 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 [Vetzeria 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](http://diunamaishop.it).
  - Apache and MySQL server monitoring.
- *June 2009* I held a course of "Linux System Administration" at [Metaphoraformazione](http://Metaphoraformazione).
- *February 2009* Linux System Administrator for [Altrosito s.a.s.](http://Altrosito s.a.s.).
  - PHP.
  - Qmail.
  - Apache tuning for virtualhosts.
  - Plesk.
  - Backup management.
  - Bash scripting.
- *2008-2009* Linux System Administrator for [NextOne Media Limited](http://NextOne Media Limited) (UK).
  - Apache.
  - MySQL tuning.
- *December 2008* Linux System Administrator for [Simbal](http://Simbal) web agency.
  - CentOS and Debian servers.
  - Apache tuning.
  - PHP modules installation.
  - PHP development for PDF generation for [ilMeteo.it](http://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](http://www.monicabedini.it) for selling arts.
  - Drupal / Wordpress
  - PHP.
  - CSS2/CSS3.
  - Javascript.
- *September 2008* I developed the website [www.praedium.it](http://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](http://FinFlorence), a loan and financial Italian company.
  - MySQL.
  - PHP backend.
  - Javascript.
- *June/November 2008* Consultant at [Gilbarco Veeder Root](http://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 [Piessetti s.n.c.](http://Piessetti s.n.c.).
  - Postfix.
  - Squid proxy.
  - Debian server.
- *June 2008* Consultant for [Sintesigroup s.r.l.](http://Sintesigroup 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.](http://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:

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- Nodejs (advanced level)
- PHP4, PHP5.x, PHP7.x (advanced level)
- Python (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)
- NoSQL: MongoDB, CouchDB, Redis (intermediate level)
- C/C++ (basic/intermediate level)
- Perl (basic level)
- Java (basic level)

## Operative Systems and platforms:

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- Gnu/Linux advanced sysadmin level.
- Windows advanced level.
- Raspberry Pi advanced level.
- Arduino intermediate level.
- Unix/\*Bsd intermediate level.

## Working methodologies:

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- Scrum
- Agile
- XP (eXtreme Programming)
- On-Site / Full-Remote

## Experiences:

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- Project management.
- Configuration management.
- DevOps.
- Release and delivery management.
- Revision Control Systems (SVN, Git, CVS, ClearCase).
- SQL/NoSQL database (MySQL, MongoDB, Redis, Sqlite).
- E-mail stack: postfix, dovecot, spamassassin, clamav, iredapd, qmail, etc...
- Build management (Makefile, Cmake, gcc, linker, patch, shell scripts, ...).
- System and network administration.
- Networking (wired, wireless, switch, router, protocols, ...).
- Software development.
- Team working / Team building.
- Clients relationship.

## Open Source projects and personal contributions:

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- Public projects are available at my [GitHub page](#).
- Public Nodejs libraries are available at [NPM repository](#).
- 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](#) - closed for the moment.
- 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:

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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:

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I believe in Open Source software and Linux. I currently work as project manager and devops for an email hosting company. I also work as a freelance computer engineer for various organizations as Linux system administrator, cloud architect and web developer.

I am always ready to learn new technologies and improve my skills. I've no 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.