

Matteo Mattei

Personal informations:

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

Languages:

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

Subscriptions and Certifications:

- [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:

- *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:

- *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.
 - 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 Piessetti s.n.c..
 - Postfix.
 - Squid proxy.
 - Debian server.
- *June 2008* Consultant for 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..
 - 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:

- 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:

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

Working methodologies:

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

Experiences:

- 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:

- Public projects are available at my [GitHub page](#).
- Public Nodejs libraries I developed 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:

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 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.