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
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- *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). We also handle terminal management and cloud infrastructure (SaaS).
    - nodejs
    - php
    - redis
    - mysql
    - bull queues
    - mongodb
    - microservices
    - load balancing
    - fare rule engine
    - payment batch processing
    - retail/transit EMV payments
    - ISO 8859
    - PSP gateway interfaces
    - SSL/TLS mutual authentication
- *December 2019/Present* IT consultant at Luxury Brands Control where I was responsible to implement new features of the ERP I developed in the past year. Moreover I am also responsible to install and manage the production server.
- *February 2017/Present* Developer, 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
  - Firwalling (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 singole 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
  - CodeIngniter PHP MVC framework
  - MySQL
- *November 2013* I developed a web application for medical colposcopysts 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 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.
  - XHMLT 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 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)
- Ruby (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 datatabase (MySQL, MongoDB, Redis, Sqlite).
- E-mail stack: postfix, dovecot, spamassassin, clamav, iredapd, qmail, etc…
- Build management (Makefile, Cmake, gcc, linker, patch, shell scripts, …).
- Javascript toolkit (npm, yarn, webpack).
- 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 are available at NPM repository.
- I developed some patches for zone-mta.
- 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:

In the years I wrote several 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 worked for startups, small, medium and big organizations and often also on more different projects simultaneously.

I am always ready to learn new technologies and improve my skills. I am always open to new challenges and wherever there is a good opportunity of professional growth.