

# Raphaël Pinson

Open-Source Technologist

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Driving License



*Freely you have received, freely give*

MATTHEW 10:8

## Skills

### Expert Skills

Debian and Ubuntu Systems	Debian/Ubuntu Packages, Creation and Administration of Package Repositories, Build Farms (Debian build/sbuild/pbuilder), Automated Installations (Debian FAI)
Configuration Management	Puppet <sup>†</sup> , MCollective <sup>†</sup> , Augeas <sup>*</sup>

### Development

Languages	C, Perl, Python, Shell/Bash, Ruby, GNU Make, Ada, Lua	Web	HTML/XHTML, CSS, JavaScript, Ajax, JQuery, PHP, Semantic Web
Frameworks	Django, Google AppEngine, Google Wave, Netvibes	Databases	MySQL, PostgreSQL, NoSQL (GQL), SPARQL
Formats	XML/XPath, SGML, YAML/JSON, RDF/RSS/FOAF	Methods	Object Oriented Programming, MVC, Unit Tests, UML
Source Management	RCS/CVS, SVN, Bazaar, Git, Mercurial	Tools	Autotools, Cmake, Doxygen, NaturalDocs, Trac, Gforge, Launchpad, GitHub

### Systems and Networks Administration

Web	Apache, Lighttpd, Nginx, Varnish, Bind, Squid, Dansguardian, VsFTPd	Monitoring	BB4/Hobbit, Nagios, Munin, Cacti, Simple Event Correlator (Sec)
Mail	Postfix, Exim, SSMTP	Backup	Amanda, BackupManager
Installation and Deployment	FAI, Kickstart, Reprepro, Cfengine, Puppet <sup>†</sup> , MCollective <sup>†</sup> , Augeas <sup>*</sup>	Networks	DHCPd, VLANs, OpenVPN, Keepalived
Operating Systems	GNU/Linux (Debian <sup>†</sup> , Ubuntu <sup>*</sup> , RedHat), MacOS X, Windows, *BSD	Databases	MySQL, PostgreSQL, SQLite, BerkeleyDB
Virtualization	Xen, VMWare, OpenVZ, LXC, NX	Security	SSL, PGP/GnuPG, OpenSSH

### Office and tools

Office	OpenOffice/LibreOffice, Microsoft Office, Gimp, Inkscape	Project Management	TaskJuggler, GanttProject
Productivity	Mind Maps, GTD	Wikis	MediaWiki, Trac, MoinMoin
Edition	T <sub>E</sub> X, L <sup>A</sup> T <sub>E</sub> X, X <sub>E</sub> L <sub>A</sub> T <sub>E</sub> X, LuaT <sub>E</sub> X	Touch Typing	QWERTY & AZERTY

<sup>\*</sup>Developer

<sup>†</sup>Contributor

## Experience

### IT Experience

2012 **Devop**, *Chambéry*, Camptocamp.

Infrastructure Developer

- Infrastructure Automation with Puppet;
- Setting up cloud-based redundant solutions;
- Speaking at devop conferences;
- Technical presales consulting.

2006 **Systems Engineer**, *ORNESS then Alten*, Sophia Antipolis.

2012

Consultant at France Télécom

- Administration of Cfengine, FAI and the software package repository;
- Renewal and industrialization of the software deployment system for Debian/Ubuntu;
- Management of the Gforge (collaborative development web interface) platform;
- Development of QA tools for systems and configurations policy compliance;
- Integration of the continuous integration platform (Hudson) with the Debian/Ubuntu software deployment system;
- Monitoring of the fleet of servers;
- Writing of technical documentation.

2008

**Developer**, *Augeas*, Internet.

Development, bugfix and documentation

- Writing of Augeas lenses;
- Coding in C;
- Improvement of autotools configuration;
- NaturalDocs Integration (documentation generator);
- International Conference Speaker (Belgium (FOSDEM)).

2005

**Developer/Maintainer**, *Ubuntu*, Internet.

Development, bugfix and documentation

- Creation, maintainance and review of software packages;
- Writing of technical documentation for developers;
- Maintainance of the QA system for software package;
- Bug management;
- International Conference Speaker (Hungary, Germany (LinuxTag)).

2005

**Open-Source Contributor**, *Various projects*, Internet.

- Flammard Bible Bot: Google Wave Bot, a personal project written in Python/AppEngine;
- Ichthux: Creation and maintainance of a specialized Linux distribution based on Ubuntu;
- Byobu: contribution of scripts and patches in Python and Bash;
- CPAN Author: maintainer of several Perl modules on CPAN;
- CTAN Author: maintainer of several  $\LaTeX$  packages on CTAN.

### Other Experience

2009

**Translator and Editor**, *La Colombe Calvary*, Nice.

- Translation of English theology books into French;
- Edition of books using  $\LaTeX$ ,  $X_{\LaTeX}$  and  $\Lua_{\LaTeX}$ ;
- Publishing of books using on-demand publishing services (CreateSpace and Lulu).

July 2004

**Blue Collar Internship**, *SNECMA*, Moissy-Cramayel.

Assembled and equilibrated turbo reactors for planes

1999–2000

**Certified First Responder**, *French Red Cross*, Paris Suburbs.

Served in several volunteer missions as a paramedic

## Education

- 2013 **Puppet Trainer**, *PuppetLabs*, Amsterdam.  
Official Training Partner for PuppetLabs' courses (Puppet Fundamentals, Puppet Advanced, Extending Puppet with Ruby)
- 2009 **ITIL® v3 Foundation**, *EXIN*, Sophia Antipolis.  
Organization and efficiency of the Information System
- 2005 **Student in Business Creation and Management**, *Créafort*, Poitiers.  
Accounting, Management, Marketing, Law
- 2005 **Student in Pedagogy ('Gestion Mentale')**, *IFGM*, Bordeaux.  
Pedagogy, Didacticism, Cognitive Psychology
- 2003–2005 **Student in Mechanical Engineering**,  
*École Nationale Supérieure de Mécanique et d'Aérotechnique (ENSMA)*, Poitiers.  
Solid & Fluid Mechanics, Mathematics, Combustion & Propulsion, Materials Science, Automation, Signal Processing, Computer Sciences, Management
- 2004 **Licence, equivalent of a British Bsc, in Mechanics**, *Université de Poitiers*, Poitiers.  
Solid & Fluid Mechanics, Mathematics, Combustion & Propulsion, Materials Science, Automation, Signal Processing, Computer Sciences, Management
- 2002–2003 **Student in Chemistry**, *Université de Paris XI*, Orsay.  
Chemistry, Physics, Mathematics
- 2000–2002 **Student in Medicine (PCEM1)**, *Université de Paris XI*, Orsay.  
Biology, Chemistry, Biochemistry, Physics, Anatomy, Histology, Physiology, Law
- 2000 **Baccalauréat, equivalent of British A Level**, *Lycée Blaise Pascal*, Orsay, with distinction 'mention bien'.

## Certifications

- 2013 **Puppet Certified Developer**, *PuppetLabs*, PCD0000011.  
Puppet IT automation software
- 2013 **Puppet Certified Professional**, *PuppetLabs*, PCP0000116.  
Puppet IT automation software
- 2009 **ITIL® v3 Foundation Examination**, *EXIN*055512.  
Organization and efficiency of the Information System

## Foreign Languages

French	<b>Native</b>	<i>Mother Tongue</i>
English	<b>Fluent</b>	<i>Daily practice, conferences given in English</i>
Spanish	<b>Good Level</b>	<i>Occasional practice</i>
German	<b>Good Level</b>	<i>Studied 9 years in school</i>

## Personal interests

Music	Clarinet, piano, organ, saxophone
Sports	Hiking, sailing, golf, climbing
Contributions	Wikipedia, OpenStreetMap
Memberships	President of the cultural association 'la Colombe de Savoie' Ubuntu member
Others	Travels, reading