# Raphaël Pinson

Open-Source Technologist

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# Freely you have received, freely give MATTHEW 10:8

	Skills		
	Expert Skills		
Configuration Management	Puppet <sup>†</sup> , MCollective <sup>†</sup> , Augeas <sup>*</sup>	Debian OSes	Debian <sup>†</sup> , Ubuntu <sup>*</sup>
	Development		
Languages	C, Perl, Python, Shell/Bash, Ruby, GNU Make, Ada, Lua	Web	HTML/XHTML, CSS, JavaScript, Ajax, Jquery, Bootstrap, 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, Trac, Gforge, Launchpad, GitHub
	Systems and Networks Administration		
Web	Apache, Lighttpd, Nginx, Varnish, Bind, Squid, Dansguardian, VsFTPd	Monitoring	BB4/Hobbit, Nagios, Munin, Cacti, Graphite, Logstash
Mail	Postfix, Exim, SSMTP	Backup	Amanda, BackupManager
Installation / 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, CouchDB
Virtualization	Xen, VMWare, OpenVZ, LXC, Openstack, Amazon Web Services	Security	SSL, PGP/GnuPG, OpenSSH
	Office and tools		
Office	OpenOffice/LibreOffice, Microsoft Office, Gimp, Inkscape	Project Management	TaskJuggler, GanttProject
Edition	T <sub>E</sub> X, FT <sub>E</sub> X, X <sub>2</sub> T <sub>E</sub> X, LuaT <sub>E</sub> X	Wikis	MediaWiki, MoinMoin

 $<sup>^*</sup>$ Developer

<sup>†</sup>Contributor

# Experience

#### IT Experience

### <sup>2012</sup> Instrastructure Developer & Trainer, Camptocamp, Chambéry.

Infrastructure Developer, Consultant & Trainer for internal and client infrastructures.

- Systems Engineer:
  - Operated a fleet of 500+ Puppet-operated servers (including servers for EPFL and Swisstopo);
  - Architectured and deployed a secured MCollective cluster using RabbitMQ and SSL;
  - Planned and executed migrations between major Puppet versions (0.25 to 2.7 and 2.7 to 3.5);
  - Wrote and contributed to 100+ Puppet modules (mostly public), including plugins (facts, functions, types & providers, indirectors), with unit tests;
  - Managed servers hosted on Amazon Web Services (with Cloud Formation) and OpenStack;
  - Packaged software for RedHat and Debian platforms. Operated and improved the package build systems and package repositories.
- Training Leader:
  - Initiated strategic partnerships with software editors (Puppet Labs, Red Hat);
  - Taught official Puppet Labs curriculum (Puppet Fundamentals, Advanced Puppet, Extending Puppet with Ruby);
  - Wrote and taught Augeas curriculum (Augeas Fundamentals);
  - Taught teams from major universities/labs (CERN, EPFL), private banks (in France and Switzerland) and governmental IT teams.
- Consultant:
  - Performed Puppet/Devops consulting for private banks and governmental IT teams.

2006

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

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.

- CPAN Author: maintainer of several Perl modules on CPAN;
- CTAN Author: maintainer of several LTEX packages on CTAN.

#### Other Experience

2009

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

- Translation of English theology books into French;
- Edition of books using LTEX, X-TEX and LuaTeX;
- Publishing of books using on-demand publishing services (CreateSpace and Lulu).

	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	<b>Student in Pedagogy ('Gestion Mentale')</b> , <i>IFGM</i> , 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, Combusion & Propulsion, Materials Science, Automation, Signal Processing, Computer Sciences, Management		
2004	Licence, equivalent of a British Bsc, in Mechanics, <i>Université de Poitiers</i> , Poitiers.  Solid & Fluid Mechanics, Mathematics, Combusion & Propulsion, Materials Science, Automation, Signal Processing, Computer Sciences, Management		
2002-2003	<b>Student in Chemistry</b> , <i>Université de Paris XI</i> , Orsay. Chemistry, Physics, Mathematics		
2000-2002	<b>Student in Medicine (PCEM1)</b> , <i>Université de Paris XI</i> , Orsay. Biology, Chemistry, Biochemistry, Physics, Anatomy, Histology, Physiology, Law		
2000	<ul> <li>Baccalauréat, equivalent of British A Level, Lycée Blaise Pascal, Orsay, with distinction 'mention bien'.</li> <li>Certifications</li> </ul>		
2013	<b>Puppet Certified Developer</b> , <i>PuppetLabs</i> , PCD0000011. Puppet IT automation software		
2013	<b>Puppet Certified Professional</b> , <i>PuppetLabs</i> , PCP0000116. Puppet IT automation software		
2009	ITIL® v3 Foundation Examination, EXIN055512. Organization and efficiency of the Information System		
	Foreign Languages		
French	Native	Mother Tongue	
English	Fluent	Daily practice, conferences given in English	

Occasional practice

Studied 9 years in school

## German Good Level

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

Spanish Good Level