

Raphaël Pinson

Open-Source Technologist

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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 [†] , MCollective [†] , Augeas [*]

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 [†] , MCollective [†] , Augeas [*]	Networks	DHCPd, VLANs, OpenVPN, Keepalived
Operating Systems	GNU/Linux (Debian [†] , Ubuntu [*] , 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 _E X, L ^A T _E X, X _E L _A T _E X, LuaT _E X	Touch Typing	QWERTY & AZERTY

^{*}Developer

[†]Contributor

Experience

IT Experience

2012 **Infrastructure 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);
 - Architected 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 \TeX packages on CTAN.

Other Experience

2009 **Translator and Editor**, *La Colombe Calvary*, Nice.

- Translation of English theology books into French;
- Edition of books using \TeX , \LaTeX 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 **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	Native	<i>Mother Tongue</i>
English	Fluent	<i>Daily practice, conferences given in English</i>
Spanish	Good Level	<i>Occasional practice</i>
German	Good Level	<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