

Raphaël Pinson

Open-Source Technologist

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MATTHEW 10:8

Skills

Expert Skills

Configuration Management Puppet[†], Docker, Augeas^{*}

Debian OSes Debian[†], Ubuntu^{*}

Development

Languages C, Perl, Python, Shell/Bash, Ruby, Go, GNU Make, Ada, Lua

Frameworks Django, Google AppEngine, Google Wave, Netvibes

Formats XML/XPath, SGML, YAML/JSON, RDF/RSS/FOAF

Source Management RCS/CVS, SVN, Bazaar, Git, Mercurial

Web HTML/XHTML, CSS, JavaScript, Ajax, JQuery, Bootstrap, PHP, Semantic Web

Databases MySQL, PostgreSQL, NoSQL (GQL), SPARQL

Methods Object Oriented Programming, MVC, Unit Tests, UML

Tools Autotools, Cmake, Trac, Gforge, Launchpad, GitHub

Systems and Networks Administration

Web Apache, Lighttpd, Nginx, Varnish, Bind, Squid, Dansguardian, VsFTPD

Mail Postfix, Exim, SSMTP

Installation / Deployment FAI, Kickstart, Reprepro, Cfengine, Puppet[†], MCollective[†], Augeas^{*}

Operating Systems GNU/Linux (Debian[†], Ubuntu^{*}, RedHat), MacOS X, Windows, *BSD

Virtualization Xen, VMWare, Docker, Rancher, Kubernetes, OpenShift, Openstack, Amazon Web Services

Monitoring BB4/Hobbit, Nagios, Munin, Cacti, Graphite, Logstash

Backup Amanda, BackupManager, Duplicity

Networks DHCPd, VLANs, OpenVPN, Keepalived

Databases MySQL, PostgreSQL, SQLite, BerkeleyDB, CouchDB

Security SSL, PGP/GnuPG, OpenSSH

Office and tools

Office OpenOffice/LibreOffice, Microsoft Office, Gimp, Inkscape

Edition T_EX, L^AT_EX, X_YL_AT_EX, LuaT_EX

Project Management TaskJuggler, GanttProject

Wikis MediaWiki, MoinMoin

*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
2012

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, maintenance and review of software packages;
- Writing of technical documentation for developers;
- Maintenance 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 \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_{\TeX} ;
- Publishing of books using on-demand publishing services (CreateSpace and Lulu).

Education

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

Certifications

2019	Red Hat Certified Specialist in OpenShift Administration , <i>Red Hat</i> , 190-035-931. OpenShift
2013	Puppet Certified Developer , <i>PuppetLabs</i> , PCD0000011. Puppet IT automation software
2013	Puppet Certified Professional , <i>PuppetLabs</i> , PCP0000116. Puppet IT automation software
2009	ITIL[®] v3 Foundation Examination , <i>EXIN</i> 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