Raphaël Pinson

Open-Source Technologist

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Driving License

Freely you have received, freely give
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	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, Duplicity
Installation / 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, CouchDB
Virtualization	Xen, VMWare, Docker, Rancher, Openstack, Amazon Web Services	Security	SSL, PGP/GnuPG, OpenSSH

Office and tools

Office	OpenOffice/LibreOffice, Microsoft Office, Gimp, Inkscape	Project Management	TaskJuggler, GanttProject
Edition	TEX, LATEX, XƎTEX, LuaTEX	Wikis	MediaWiki, MoinMoin

Experience

IT Experience

*Developer
†Contributor

2012   **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
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⫯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 — **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, Combusion & 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, Combusion & 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	Mother Tongue
English	Fluent	Daily practice, conferences given in English
Spanish	Good Level	Occasional practice
German	Good Level	Studied 9 years in school

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