

Raphaël Pinson

Open-Source Technologist

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MATTHEW 10:8

Skills

Expert Skills

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

Containers Docker, Kubernetes

Development

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

Web HTML/XHTML, CSS, JavaScript, Ajax, JQuery, Bootstrap, PHP, Angular JS

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, Gforge, Launchpad, GitHub, GitLab

Systems and Networks Administration

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

Monitoring Nagios, Munin, Cacti, Graphite, Logstash, Prometheus, Grafana

Mail Postfix, Exim, SSMTP

Backup Amanda, Duplicity, Restic

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

Networks DHCPd, VLANs, OpenVPN, Keepalived

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

Databases MySQL, PostgreSQL, SQLite, BerkeleyDB, CouchDB

Virtualization Xen, VMWare, Virtualbox, Libvirt

Security OpenSSL, GnuPG, OpenSSH, Let's Encrypt

Cloud Openstack, Amazon Web Services, Microsoft Azure

Containers Docker, Kubernetes, OpenShift

Office and tools

Office OpenOffice/LibreOffice, Microsoft Office, Gimp, Inkscape

Project Management TaskJuggler, GanttProject

Edition T_EX, L^AT_EX, X_YL_AT_EX, LuaT_EX

Wikis MediaWiki, MoinMoin

*Developer

†Contributor

Experience

IT Experience

2012

Infrastructure Developer & Trainer, *Camptocamp*, Chambéry then Lausanne.

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 Docker and Kubernetes curriculum;
 - 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 , \XeTeX and \LuaTeX ;
- 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 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 2003	Student in Chemistry , <i>Université de Paris XI</i> , Orsay. Chemistry, Physics, Mathematics

Certifications

2021	Certified Kubernetes Security Specialist (CKS) , <i>CNCF</i> , LF-xpar0qezpj. Kubernetes
2020	Certified Kubernetes Application Developer (CKAD) , <i>CNCF</i> , LF-gikljn6k0e. Kubernetes
2019	Red Hat Certified Specialist in OpenShift Administration , <i>Red Hat</i> , 190-035-931. OpenShift
2018	Certified Kubernetes Administrator (CKA) , <i>CNCF</i> , LF-vqym1q6gyo. Kubernetes
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	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, guitar, piano, organ, saxophone
Sports	Hiking, sailing, golf, climbing
Others	Genealogy, reading