

# Raphaël Pinson

Cloud Native Tech Evangelist

Chemin du Jura 3  
1041 Poliez-le-Grand  
Switzerland

+41 78 402 84 33

✉ rpinson@gmail.com

in www.linkedin.com/in/raphink

🐙 www.github.com/raphink

Driving License



*Freely you have received, freely give*

MATTHEW 10:8

## Experience

2012

Cloud Native Tech Evangelist, *Camptocamp*, Chambéry then Lausanne.

- *Puppet & Cloud*  
When I joined Camptocamp, the instructure team's activity focused on managing 500+ servers on behalf of clients, using mainly **Puppet**, **OpenVZ**, and **Amazon Web Services**.
- *Partnerships & Training*  
In order to leverage our team's renowned expertise in Puppet, I set up a **strategic partnership** with Puppet Labs and started teaching the official Puppet curriculum. This required me to be certified by both the **Puppet Professional** and **Puppet Developer** certifications. I also wrote our own curriculum based on **Foreman** for clients using Open Source Puppet, as well as an **Augeas** curriculum. Since then, I have been a **trainer** to many engineers at major banks, universities (EPFL, Unibe), research facilities (CERN, CNRS), and many more.
- *Open Source Work*  
As our team managed tens of public open-sourced Puppet modules on **GitHub**, I strived to improve their quality by implementing industry standards, **unit and acceptance tests**, publishing them on the Puppet forge, and getting them approved by Puppet Labs as standard implementations. I also managed the **Augeasproviders** project and maintained the Puppet modules associated with it. My Puppet expertise led to many **consulting** missions, ranging from architecture to migration, as well as specific **Ruby** development, and earned me a recognition as **Puppet Champion of the year 2020**, with a title of **Extraordinary Puppeteer**.
- *Terraform*  
With our use of public clouds broadening, we switched our provisioning from **Cloud Formation** to **Terraform** and contributed multiple providers and modules to the community. I also authored **Terraboard**, a web UI to visualize Terraform state information, programmed in **Go** and **AngularJS**.
- *Containers & Orchestration*  
Around 2014, we moved our Puppet acceptance tests from **Vagrant** to **Docker**. We quickly realized Docker's potential, and decided to implement our Puppet 4 stack on top of it, in order to simplify its architecture. Starting with Docker-Compose, we switched to **Rancher** in 2015 to scale the infrastructure horizontally, and became the **first Rancher partner in Europe**. Around that time, we wrote multiple tools to improve containers management, in particular **Bivac**, a tool to automate container volumes backup. Finally, we migrated the Puppet stack to **OpenShift** around 2018. **Kubernetes** expertise has since become our main activity. I have co-authored a 5-day containers curriculum covering both Docker and Kubernetes and taught it multiple times. In the meanwhile, I have contributed to getting Camptocamp set up as one of the first **Kubernetes Certified Service Provider** (KCSP) in Switzerland and the first **Kubernetes Training Partner** (KTP) in Europe. In that context, I have completed the **OpenShift Administration**, **CKAD**, **CKA**, and **CKS** certification programs.
- *Sales & Marketing*  
As an expert in Configuration Management, Cloud, and Containers Orchestration, I have often supported our **sales** force and contributed to multiple **tenders**. My attachment to Camptocamp's image and values has also encouraged me to improve **marketing** (through market studies, newsletters, blog posts, videos, white papers, designing illustrations, totems & goodies). I have represented Camptocamp at many **conferences and meetups** (both physical and online) on various subjects (Puppet and its ecosystem, Cloud, DevOps, etc.).

2006  
2012

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

Consultant at France Télécom

- *Cfengine*  
I was originally hired to migrate about 3000 machines from **Cfengine** 1 to Cfengine 2. This was an opportunity for me to learn about **Configuration Management** principles and to discover **Puppet** along the way.
- *Package build farm & repository*  
Migration to Cfengine 2 was an opportunity to standardize software packages used. I set up a new automated Debian package repository using **reprepro** and a **Debian build** farm to compile the packages for multiple distributions and architectures. Both i386 and amd64 builders ran on a single machine, using **LXC** containers as light virtualization to isolate contexts.  
I encouraged developers to package their applications and helped them set up **CI/CD** pipelines using **Hudson** (now **Jenkins**) to automatically release their packages to the repository, using **GnuPG** keys as the authentication layer.  
In order to encourage good practices, I taught multiple sessions of a **Debian packaging curriculum to colleagues**.
- *Gforge*  
I administered a Gforge platform for hundreds of developers. As part of this task, I set up a replicated fallback server and wrote a CVS replication software using **Perl** and **inotify**.
- *Policy Conformity*  
In order to improve conformity to standards as we adopted **ITIL** processes, I designed a **Treetester**, a Perl software working as a sieve of tests to identify priority actions to take on machines and platforms and report to platform administrators in a Web UI.

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<sup>®</sup> 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  
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  
2003  
Student in Chemistry, *Université de Paris XI*, Orsay.  
Chemistry, Physics, Mathematics

## Certifications

- 2021  
Certified Kubernetes Security Specialist (CKS), *CNCF*, LF-xpar0qezpj.  
Kubernetes
- 2020  
Certified Kubernetes Application Developer (CKAD), *CNCF*, LF-gikljn6k0e.  
Kubernetes
- 2019  
Red Hat Certified Specialist in OpenShift Administration, *Red Hat*, 190-035-931.  
OpenShift
- 2018  
Certified Kubernetes Administrator (CKA), *CNCF*, LF-vqym1q6gyo.  
Kubernetes
- 2013  
Puppet Certified Developer, *PuppetLabs*, PCD0000011.  
Puppet IT automation software
- 2013  
Puppet Certified Professional, *PuppetLabs*, PCP0000116.  
Puppet IT automation software
- 2009  
ITIL<sup>®</sup> 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, guitar, piano, organ, saxophone
Sports	Hiking, sailing, golf, climbing
Others	Genealogy, reading