

Thibaut Lapierre

Mail: root@epheo.eu | **Hangout:** [thibaut.lapierre](https://hangouts.google.com/join?id=thibaut.lapierre)
Web: epheo.eu | **LinkedIn:** [linkedin.com/in/epheo](https://www.linkedin.com/in/epheo) | **Github:** github.com/epheo



OpenSource being at the center of my professional projects, my interests are about the scalability of GNU/Linux systems, databases and services.

Professional experience

Solutions Engineer

Hewlett-Packard

Helion OpenStack Professional Services EMEA organisation

November 2014 – Present | Galway, Ireland



I lead and work on the technical aspects of different Cloud Computing platforms projects for Governments, Financial Telecom Operators and Banks through the sale, delivery and support phases of the projects and help customers to implement OpenStack and reach a production state by:

- Designing the architectures of complex cloud platforms implementations.
- Doing specific integrations on customer site.
- Solving implementation problems and critical issues.
- Doing specifics developments to address customers requirements.

Software System Engineer

Digimind

May 2013 – November 2014 (1 year 7 months) | Grenoble, France



My main goal was to scale-out the infrastructure with OpenSource technologies like OpenStack, Ceph, Docker, HAproxy and others.

- Implementation of an OpenStack private Cloud to manage the development, pre-production and QA environments.
- Integration and (close to no)maintenance of a distributed storage system with Ceph.
- Python development with the Amazon Boto API in order to manage and autoscale a ~480 Nodes frontend cluster on specific use cases.
- Integration of an Nginx Application Firewall (Naxsis) and return metrics in a Kibana Dashboard.

University Teacher

SUPINFO

September 2012 – September 2013 (1 year) | France



Teacher of Unix systems functioning and Data Center management for the 1st to 3rd year students. (iSCSI, Puppet, HeartBeat, DRBD, etc).

Computer Architecture for the 1st year students (ASM8086 Low level programming, combinational logic, sequential logic and Binary Mathematics)

And VoIP (Asterisk) to the 3rd year students.

Professional experience

Software System Engineer

TrustTelecom

September 2012 – April 2013 (8 months) | Marseille, France

I've develop and put in production a Game Server rental platform.
Developments and administration on a mutualized hosting platform.

trusttelecom

Timekeeping operator

Fédération de Cyclisme du Québec

January 2012 – July 2012 (7 months) | Montreal, QC, Canada



As a timekeeping operator for the Cycling Federation of Quebec I've design a timekeeping system using Python and the MyLaps solution to track the times during the races and analyze them in order to provide detailed dashboards.

I also had to track the times during the races all around the Quebec.

Personal projects

Shaddock

Shaddock is a project we wrote to provides a platform deployed in containers following a predefined yaml template (like an OpenStack infrastructure)

<https://github.com/epheo/shaddock>

Montreal Inter University Pencontest

Head of Unix pole and teacher

September 2011 – June 2012

PenContest is a Capture The Flag contest involving Hacklabs and Montreal Universities.

I had to manage a team of 4 systems engineers in the implementation and setting of infrastructures and events.

My second task was preparing and dispensing Linux courses about the contest (4 hours per week).

Skills

Cloud and virtualisation	OpenStack, Docker, CoreOS, LXC, AmazonWS, Qemu/KVM, libvirt
Data storage and analysis	Ceph, ElasticSearch, Kibana, ZeroMQ, Redis, Solr, SQL, Python-TextBlob, Panda
Systems and networks	DRBD, iSCSI, Pacemaker, SELinux, Squid, HAproxy, OpenVSwitch
Servers managment	Ansible, Python Fabric, Jenkins
Development languages	Python Fabric, OpenStack API, Docker API, Django, x86 Assembly, OpenStack development.

Trainings and diploma

ESI SUPINFO

2009 - 2014

Master in Computer Engineering (Lyon, FR | Grenoble, FR)

Bachelor in Computer Engineering (Lyon, FR | Montreal, CA | Marseille, FR)

FOSS Certificate in OpenStack Software

EXIN, License 5410758.20420649

LUCENE / SOLR Professional training seminar (Digimind)

September 2014

SCT CERTIFICATION (Supinfo Certified Trainer)

April 2011

ITIL Training seminar by Dr. Mohamed Benkhalifa (Montreal, Canada)

May 2012

STI Electrical Engineering high school diploma at Lycée La Martinière Montplaisir (Lyon)

2009

**Previous
experiences
and
internships**

System administrator intern at Lagrange (August – October 2011| Lyon, FR)
Virtualization and monitoring of Linux, BSD and Windows servers. Developing bash scripts and POC with Xen and ESXi.

Web Development internship at Arobases (July – October 2010 | Lyon, FR)
PHP development and commercialization for their e-commerce solution: vendre-en-ligne.com.

Sales operator at Aviso (September – November 2012 | Lyon, FR)

Self-Employment (Décember 2009 – January 2012 | Lyon, FR)
Web development, network and system administration for SME.

System administrator intern at Lokris (June – November 2008 | Saint-Bonnet de Mure, FR)
Administration of FreeBSD and Linux Suse servers (Apache, Dovecot, Sendmail, OpenVPN).
Network wiring.

**Personal
interests**

Scalability
Skiing: Competition during 13 years at the French and International Federations