



Benjamin Gentil

Systems Engineer / Devops

Age: 35

🇫🇷 Driving Licence Category B

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📁 Career Path

02/2018 → Today - Systems Administrator @ Infomaniak Network SA

Apache/PHP/MySQL webhosting platform (home-made PaaS, ~200k websites):

- Design and implementation of a PaaS using `kubernetes` operators in `python`/`go`.
- Maintenance of ~5k debian machines using `puppet`, `ansible` and `debian packaging` (fix backports, packages for internal tools/api).

DNS platform (home-made DNSaaS, ~1M zones):

- Maintenance of multiple mission-critical `bind` clusters serving authoritative zones for all domains (infomaniak + customers).
- Setup/Maintenance of highly-available `unbound` recursive DNS servers serving ~10-20k req/s.

Advanced (L4) support for both platforms.

02/2014 → 02/2018 - Systems Engineer @ Safe Host SA

Design, deployment, maintenance & support of:

- tailor-made customer solutions (mainly `RHEL/CentOS` systems on `VMware vCenter`, `vSAN`, `ESXi` infrastructures).
- a private cloud product based on `Openstack`.
- internal linux systems/services using `ansible`, this includes a highly-available monitoring system (`shinken`), a `gitlab` instance, an authoritative `bind` cluster.
- a highly-resilient monitoring solution to monitor/alert and keep history of every sensors in all SafeHost datacenters (~1M metrics targeted, implementation in `python` with `zabbix`, `influxdb`, `grafana` running on `Openshift (kubernetes)`).

04/2012 → 11/2013 - Production Manager @ Moobifun

Conception, development, administration & support of value-added USSD & SMS services for West Africa telecom operators (Tigo, Orange, MTN). Deployment & administration of a hosting platform (private cloud).

`# Grails` `# Groovy` `# XEN` `# ESXi` `# Pfsense` `# CentOS` `@ Systems Engineer` `@ Developer`

01/2008 → 04/2012 - System & Application Engineer @ Sicap France (Swisscom group)

Administration, development & support of a hosting platform that provides turnkey solutions for telecom operators such as Bouygues Telecom, Orange, Meditel, INWI...

`# Shell script` `# PL/SQL` `# Solaris 10` `# Nagios` `# Centreon` `@ Systems Engineer`

10/2007 → 12/2007 - Hosting Engineer @ Caliséo

Existing hosting platform recovery, reorganisation & optimisation.

`# Windows server 2003` `# Linux` `# Solaris 10` `@ Systems Engineer`

09/2005 → 09/2007 - Student Developer @ Softpro

Industrial software development & maintenance. GUI development for a test environment that validate RPR equipments in nuclear power plants (Areva)

`# Windows 2000` `# C/C++` `# Visual Basic` `@ Developer`

📖 Training / education

2017 RedHat Certificate of Expertise in Ansible Automation

2017 RedHat Certificate of Expertise in Containerizing Software Application Development

2015 RedHat Certified Engineer (RHCE)

2015 RedHat Certified System Administrator (RHCSA)

2015 Mirantis Certified Administrator for OpenStack (MCA200)

2011 Oracle 11g Tuning

2009 Oracle 10g Administration

2008 Mysql Administration

2007 Cisco CCNA1

2007 BTS Computing & Network for Industry & Services

2005 BAC STI Electronic

🔗 Open Source Contributions

Infomaniak ACME DNS01 solver webhook for cert-manager

Whole implementation –

IPv6 support in cilium hubble-ui

Report + PR (merged) –

bind9 addzone/delzone deadlock

Report, full debug of the root-cause & a reproducer –

♥ Interests

🔧 **Computer Science**

New technologies, Development –

🎵 **Music**

Guitar, pedals & amps –

🎬 **Cinema**

📷 **Photography**

✈ **Flight simulations**

🚩 Languages

French 🇫🇷

Maternal

English 🇬🇧

Good oral & written knowledge

Polish 🇵🇱

Only few notions but keen to learn

⚙ Skills

Operating Systems

Debian / Ubuntu ★★★

RHEL / CentOS ★★★

CoreOS ★★

ESX ★★

Solaris / OmniOS ★★

Orchestration / Automation

Kubernetes ★★★

Ansible ★★★

Gitlab CI ★★★

Puppet ★★

Openstack ★★

Debian Packaging ★★

Development / Scripting

GO ★★★

Python ★★★

Git ★★★

bash ★★★

C ★★

perl ★

Rust ★

Databases

Mysql 5.x/MariaDB 10.x ★★★

Oracle 10g, 11g ★★

PostgreSQL 9.x ★★

Network

cilium ★★★

MetaLB ★★

FRR ★

Logging

vector ★★★

sentry ★★

elasticsearch / kibana ★