

# Jonathan Vercoutre

SITE RELIABILITY ENGINEER

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*"Hope is not a strategy"*

## Education

### Université de Lille 1 - IUT A

Villeneuve d'Ascq, France

LICENCE PRO DA2I (BSC IN COMP. SC.)

2006 - 2007

- Internet software development and administration: specialization year focused on all the different services you can meet on the Internet with a big part of web.

### Université du Littoral Cote d'Opale - IUT

Calais, France

DUT INFORMATIQUE (TWO YEARS DEGREE IN COMP. SC.)

2004 - 2006

- Specialization in Software engineering

### Lycée Notre Dame de Sion

Saint-Omer, France

BACCALAURÉAT S - MAJOR IN MATHS

2000 - 2004

## Skills

<b>Cloud and orchestration</b>	GCP, AWS, Kubernetes, Openstack, VMware ESX
<b>Web</b>	NGINX, Varnish, HAProxy, CloudFlare (WAF, rules)
<b>Automation</b>	Terraform, Ansible, Puppet, GitHub Actions, Jenkins
<b>Programming languages</b>	Python, bash
<b>Operating systems</b>	GNU/Linux and OpenBSD
<b>Monitoring</b>	Datadog, Prometheus, Nagios and derivatives
<b>Databases</b>	PostgreSQL, MySQL
<b>Network</b>	Firewalls, VPN, good knowledge of general networking
<b>Core services</b>	Experiences of DNS, mail, queue and cache systems in production contexts
<b>Languages</b>	French native and proficient English

# Experience

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## Alma

Remote

### SITE RELIABILITY ENGINEER

2021 - now

- Was the first Site Reliability Engineer when the Platform team was created. We are now a 12 people team that manages infrastructure (mostly cloud based), security, data and developer experience
- All our work is based on Terraform, GCP, CloudFlare, Datadog, and Python.
- Management of the whole Alma infrastructure in GCP : containers (K8S and serverless), queues, databases, load-balancers, etc
- Migration from Python scripts to Terraform to manage infrastructure resources
- Security and compliance : hardening, isolation, several different mTLS setups with internal CAs, etc.
- Python scripting
- Automation via GitHub Actions
- Monitoring with Datadog (in Terraform) : logs, metrics, dashboards
- On-call Level 2

## PeopleDoc

Remote

### DATAOPS

2019 - 2021

- Was the first peep of a three people team responsible for being the glue between DBA, SRE and BI teams
- All our work was based on Ansible, Airflow and Python
- Management of the BI servers : batch processes systems, Airflow and Looker servers ( 150 servers)
- Python scripting : batch processing (data exports/imports), Airflow plugins, API
- Debian and Python packaging
- First internal datawarehouse bootstrap
- Technical support for BI analyst and Data engineers tool

## PeopleDoc

Remote

### SITE RELIABILITY ENGINEER

2018 - 2019

- Was part of team (5 people) responsible for the whole PeopleDoc infrastructure : web, dns, cache, queues, filers systems, etc. 1000 servers in 7 AZ
- Our work was very Ansible and Openstack centric and required a solid knowledge of the whole PeopleDoc systems to be efficient

## OVH

Roubaix, France

### DEVOPS

2015 - 2018

- Was part of team (5 people) in charge of the core services of OVH. We inherited of an old and unmaintained infrastructure and our mission was to make it stable, homogeneous and scalable
- Our second mission was to maintain PCIDSS-ready infrastructure with the highest PCIDSS compliance level
- Management of the internal information systems ; public web servers, databases, tasks workers, loadbalancers and many more (1K servers)
- Management of the PCIDSS certified information systems for Private Cloud Computing service
- Management of the PCIDSS certified payment system : OVH Secure Payment
- Management of the corporate bastion hosts
- Migration of old and unmaintained services to standard and hardened platforms
- Automation, configuration management, scripting
- Security
- Monitoring
- Level 2 and 3 On-call

## ISVTEC

Lyon, France

### SYSTEM ADMINISTRATOR

2012 - 2015

- Management of web, mail, SQL and DNS services on customer servers (300 servers)
- Mail and web sites migrations without downtime
- Services migration to scalable and fault-tolerant systems
- Level 1 On-call

## ICEDev

Lyon, France

### SYSTEM AND NETWORK ADMINISTRATOR

2011 - 2012

- Management of customer web, mail and DNS services on our servers
- Management of firewalls and network
- Web sites and mail migrations
- Datacenter operations
- Helpdesk

## Astek

Lyon, France

### IT CONSULTANT

2011

- Maintain, repair and operations of several Unix systems

## Acteos

Roubaix, France

### SYSTEM AND DATABASE ADMINISTRATOR

2007 - 2011

- Management of internal infrastructure : Oracle databases, Oracle AS (70 servers)
- Installations and migrations of Acteos products on-premise
- Level 3 system and DB support

## Interests

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### Free Software

#### USER

Since 2000

- Free software lover since I understood what it is. I oriented my career around them and am convinced this is the best way to do software

### Long Distance Running

#### BABY RUNNER

Since 2018

- Learned to run to keep my peace of mind, from no experience to running a half-marathon under two hours in one year

### Video games

#### RUSTED GAMER

Since 2018

- I grew up with a gamepad and kept it until now. From the Master System console to the current era, I played a lot. And I'd probably noscope you on Day of Defeat.

### Vegetarism

#### BABY TOFU

Since 2019

- Learned to not eat animals to survive. Best decision of my life. I'm not a proselytist, your plate, your choice.