Tristan**Le Guern**

Freelance DevOps/SRE

Contact

Location: Limerick, Ireland

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Links

Github: Aversiste
Website: WWW

Personal

Nationality
French

Skills

Programming Languages:
C, C++, Shell, Python
Operating Systems:
OpenBSD, Linux
DevOps: Ansible,
Terraform, Packer,
Cloud-init, Jenkins
Human Languages:
French (Mother
Tongue), English
(Fluent), Breton
(Beginner)
Others: LaTeX

Hobbies

Brewing, wine making,
cheese making, DIY

Experience

Gwern (my freelance company)

2018–2019	**Remote DevOps for Deveryware**	Limerick, Ireland

Responsible for the deployment of a mobile app's backend.
- Handled 240 servers split between five environments.
- Overhauled and cleaned up many Ansible roles and playbooks, amounting to roughly 12000 lines of code.
- Rewrote most shell scripts to improve their safety and performance.
- Contribution to open source projects (ansible-haproxy, ansible-wazuh-agent, ansible-rcron, ansible-matomo).
- Deployment of security tool Wazuh.
- Security tests on the VRRP protocol.
- Handled images creation with Packer and deployment with Terraform.
- Became maintainer of public role Deveryware/ansible-haproxy.
- Wrote extensive documentation dedicated to oncall ops.
- Trained an internal devops on the job.

2017–2018	**Remote Devops for Ahrefs**	Paris, France

Worked in an Ops team
- Managed multiple Elasticsearch clusters reaching thousands of nodes.
- Configuration management with Puppet.

Orange

2014–2017	**Sysadmin/DevOps**	Paris, France

Full time in the subsidiary hosting services for the rest of the company.
- Administered a Xymon based monitoring solution, handling more than 5000 ressources (servers, services, applications, URL...) and 500 agents.
- Managed internal Xymon fork and contributions to upstream.
- Developed custom monitoring agents (Perl, Python, shell).
- Wrote the documentation for each and every tool.
- Wrote the disaster recovery procedure.
- Fixed Ansible playbooks to ensure idempotence during deployments.
- Implemented dynamic DNS updates in the internal DNS API.
- Various improvements to the DNS management tools.
- Contributed to nsdiff (https://github.com/fanf2/nsdiff).

Mind Technologies

2014–2014	**Network engineer**	Paris, France

Fulltime in a company offering expertise in managed network infrastructures.

Linagora

2012–2014   **System engineer**   Paris, France

- Administered a Xen cluster and helped clients into building their hosted services.
- Migrated the old clients ressources from dedicated or shared hostings to virtual machines with Puppet as a deployment tool.
- Implemented p2v (physical to virtual) migration solutions.
- Developped an internal domain name monitoring solution.
- Administered multiple Nagios based monitoring solutions for various clients.
- Handled a three months classified mission for the French military involving documentation, training and monitoring.
- Replaced a team of four sysadmins at Cergy-Pontoise University, worked on the complete overhaul of the SMTP, LDAP and DNS services.

Lab'Free

2010–2011   **C++ Developer**   Paris, France
Internship. Developed and oversaw implementation of a video streaming software, in C++ and JavaScript.

Education

2008–2013   **Master's dregree** of Computer Sciences at EPITECH   Paris, France
5 year course

2011–2012   **Exchange Student** at Keele University   Newcastle-under-Lyme, England
Computer Sciences course

2008   **Baccalauréat** at Lycée Colbert   Lorient, France

Personal Projects

2018   **ansible modules**   Developer
Various ansible modules for matomo, keepalived, haproxy, ...

2018   **www.libravatar.org**   Q/A
Team member dedicated to Q/A.

2018   **libravatar.cgi**   Developer
Small, secure implementation of the Libravatar protocol for OpenBSD

2011   **libtuntap**   Developer
Popular portable library for the creation and management of virtual network interfaces.

2011–2013   **tNETacle (decentralized VPN)**   Developer
C/C++ solution developed with a 8 students team
Asymmetric cryptography, UPNP, IPC, UDP, TCP, TLS, DTLS, portability, compression...