

Gwir ha leal

TristanLe Guern

Freelance DevOps/SRE

Contact

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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)

- 2019–2019 **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-wazuha-agent, ansible-rcron, ansible-matomo).
 - Deployment of security tool Wazuha.
 - Security tests on the VRRP protocol.
 - Handled images creation with Packer.
 - Handled images and ressources deployment with Terraform.
 - Became maintainer of public role Deveryware/ansible-haproxy.
 - Wrote extensive documentation dedicated to oncall ops.
 - Trained my successor 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.
 - Oncall work.

Orange

- 2014–2017 **Sysadmin/DevOps** Paris, France
Full time in the subsidiary hosting services for the rest of the group.
- 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 tools.
 - 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>).
 - Trained and provided technical support for my colleagues.

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
Internship within a small team dedicated to cloud hosting followed by fulltime at various clients.		
<ul style="list-style-type: none">• 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.• Developed 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 at Fort Mont-Valérien, involving documentation, formation and monitoring.• Replaced a team of four sysadmins at Cergy-Pontoise University, worked on the complete overhaul of the SMTP, LDAP and DNS services. Also wrote documentations and created an inventory of the server rooms.		

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 degree of Computer Sciences at EPITECH	Paris, France
5 years courses		
2011–2012	Exchange Student at Keele University	England
Computer Sciences courses		
2008	Baccalauréat at Lycée Colbert	Lorient, France
Baccalauréat, scientific specialisation		

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
Portable library for the creation and management of virtual network interfaces Works on OpenBSD, NetBSD, FreeBSD, DragonFly, Linux, Mac OS X and Windows.		
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...		