

Julie DALIGAUD

Network Engineer | Network infrastructures



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📍 rue Sainte-Adèle, 25, 5030 Gembloux, Belgium
👤 28 years old, french 🚗 Driver's licence, possess a car

+ STRENGTHS

- > Network and Linux enthusiast
- > Motivated and autonomous
- > Fast adaptable and learner, pro-active team worker
- > Experience in critical environment

🌐 LANGUAGES

French ●●●●●
English ●●●●○

☰ SKILLS

- Network** Mikrotik, Cisco ASR, Nexus, Catalyst, Brocade, Routing (BGP, OSPF, ...), Dell Networking, Dell Equallogic, LibreNMS, LDAP, Radius, DNS, DNSsec, NFS, SAMBA, network security, PF, iptables, OpenVPN, IPsec
- Virtualization** Qemu, KVM, LXC, Proxmox, oVirt, Virtualbox
- System** Ansible, OpenBSD, GNU/Linux (Archlinux, Debian and alike, RHEL and alike), ZFS, Borg, BareOS, OpenLDAP
- Development** GIT, Python, PHP, JAVA, C/C++, Shell script
- Operational** Staging and executing coordinated network operations in datacenters in a context of critical production, customer support, end-user delivery.



👜 EXPERIENCE

- Today**
March 2019
Mont-Saint-Guilbert, Belgium

Network Engineer, VERIXI <https://verixi.be>
Belgian Internet provider possessing over 2000km of dark fiber

 - > Mikrotik certifications: MTCNA (95%), MTCRE (85%), MTCINE (96%)
 - > Traffic engineering, design and maintenance of a backbone of 200+ routers across all Belgium
 - > Customer support, fiber maintenance, end-user delivery
 - > Delivery of new lines and internet access from basic fiber connection to multi-sites BGP
 - > Sys admin: maintenance and deployment of internal tools, monitoring stack, VOIP platform

Mikrotik Cisco ASR BGP DNS Datacenter Linux 3CX
- February 2019**
November 2017
Lyon, France

Network Engineer, SMILE OUTSOURCING <https://smile.eu>
OpenSource Internet hosting company located in 3 Datacenters

 - > Writing of Python tooling to collect usage data from our clusters
 - > Automatization of the deployment of the network configurations with Ansible
 - > Integration of various tools (LibreNMS, sflow, FreeRadius, OpenVPN, SSSD, LDAP replications) and industrialization with Ansible
 - > Evolution of the virtualization stack (Qemu, KVM, Ovirt)
 - > In charge of the layer 2 network within the Smile Outsourcing datacenters
 - > Working in a self-standing team of 5 deployed between different locations
 - > Redesign of the distribution and storage backbones in the datacenters of Smile Outsourcing
 - > Deployment and set up of clusters for the Smile Outsourcing's private cloud
 - > Deployment of OpenBSD firewalls with OSPF and PF
 - > Training: BGP, DNSSec (provided by Ripe NCC)

Cisco MLAG Ansible Linux OpenBSD PF LDAP Radius Ovirt Python

- September 2017
March 2017
Lyon, France
- Intern, network administration, SMILE OUTSOURCING**
4 PoP in 3 datacenters
- > **Redesign of the storage backbone** in the datacenter for iSCSI mountings between SAN and hypervisors.
 - > Maintenance of the network hardware.
 - > Update of the Dell and Cisco switches firmwares, PDU, SAN (Equallogic), hypervisors (mostly Dell).
 - > Evolution of several backbones in a datacenter (Layer 2 and Layer 3: BGP, OSPF, etc).
 - > Oversight (LibreNMS, Nagios + CheckMK, ...) of the network hardware, index and backup (Rancid) of their configuration.
- Layer 2 Network | Dell PowerConnect | VLAN | Rancid | LibreNMS | SAN
- October 2012
July 2012
Bordeaux, France
- Intern, software development, PRIMOBIX**
Solutions of documents management and dematerialisation <https://www.primobox.com/>
- > Conception of softwares that collect personal data, written in JAVA and used in a web solution of personal documents and information centralization.
- JAVA

EDUCATION

- 2017
2012
Bordeaux, France
- Master in Computer Sciences, UNIVERSITY OF BORDEAUX**
Communication Networks and Internet
- > Network (Switching and routing, Cisco, RIS, OSPF, BGP, MPLS).
 - > Network security (DMZ, iptables, SSO, DNS vulnerability, SSL, IPSec).
 - > Network administration (NAT, LDAP, NFS, ...).
 - > Dynamic algorithms, distributed algorithms.
 - > Project in 1st year of master's degree: development of plugins for the graph visualization software Gephi.
 - > Several development projects such as games, http servers, filesystems, compilers
 - > Parallel computing.
 - > Software development in JAVA, design patterns.
- 2012
2011
Bordeaux, France
- Bachelor analyst, conception of information systems, EPSI**
École privée des Sciences Informatiques (Private School of Computer Sciences)
- > UML, Merise.
 - > Databases conception.
 - > Web development (PHP, Javascript, MySQL...).
- 2011
2009
Bordeaux, France
- Higher Technical degree, Business computing, EPSI**
École privée des Sciences Informatiques (Private School of Computer Sciences)
<http://www.epsi.fr>

INTERESTS

- > Self hosting, Proxmox, Yunohost, managing my own and my friends's infrastructure in several datacenters.
- > VPN provider.
- > Active participant of the Framateliers (free software working group) by Framasoft.
- > Archlinux and OpenBSD.
- > Raspberry PI and PCEngines APU.
- > \LaTeX

