

Degrees

2022 **Engineering degree**, Computer science

Education

- 2017–2022 **Diplôme d'Ingénieur (engineer's degree)**, EPITA, Strasbourg & Paris, France
2019 **CSUMB**, Monterey Bay, California, USA, 5 months
2015 **St Ives High School**, Sydney, Australia, 5 months

Experience

Employment

- 2022–
current **Site Reliability Engineer**, *Equativ*, Paris, France
Deployment of a long-term metric storage system (Thanos)
Migration of application to Kubernetes
Establishment of Infrastructure as Code tools (ArgoCD, Terraform)
Technologies used: Ansible, Terraform, Ubuntu, Kubernetes (rancher, GKE), ArgoCD, GitLab, Prometheus, Grafana, Thanos
- 2022 **Referring teacher**, *EPITA*, Paris, France, 6 months
Teaching of the third year NET2 course. Coordination with other teachers of the subject.
Topics covered: X.509 certificates and modern web, IPv6 and Internet history, distributed systems, global routing and Internet actors, firewalling.
- 2020–2021 **Site Reliability Engineer**, *CRI - EPITA*, Paris, France, 17 months
Administration of the school's infrastructure (Ansible)
Deployment of a Ceph cluster with cephadm, benchmarks hardware and software configurations
Deployment of an OpenStack cluster (kolla-ansible, OVN)
Maintenance of state of the art Kubernetes clusters (Kubespray, Rancher, GitOps with ArgoCD)
Migration of the school's infrastructure from a VM based infra to a K8s based infra, and migration of leftovers VMs to OpenStack
Administration of the school's 1000 workstations on NixOS using iPXE, Kerberos, LDAP and some homemade tools
Establishment of new processes using infrastructure as code
Technologies used: Ansible, Salt, Terraform, Arch Linux, Nix/NixOS, Ubuntu, Ceph, OpenStack, Kubernetes (Kubespray, k3s, rancher), ArgoCD, GitLab, Netdata, Prometheus, Grafana, Kerberos, PostgreSQL, OpenAFS, Django, iPXE
GitLab
- 2018, 2019 **Internship**, *Biosynex*, Strasbourg, France, IT department, 4 months
Migration to a new VMware ESXi cluster, setting up a monitoring solution for the infrastructure.
Technologies used: VMware ESXi and vSphere, Nagios XI, Zabbix, GestSup, Windows Server, AD, Microsoft Dynamics NAV

Paris/Strasbourg – France

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22 years old - driving license

Community

- since 2018 **Treasurer, CTO, Organizer**, *Prologin*, Paris, France, French national programming contest
Prologin is a computer science contest open to all students under 21, organized by the Prologin organization. Its goal is to introduce young students to the world of programming and algorithms, by subjecting them to several conventional problems and exciting challenges.
Prologin also organizes *Girls Can Code!* computer science summer camps for girls for Middle and High school girls.
Coordination of volunteers for the development and deployment of the tools used for the organization of the contest and the *Girls Can Code!* summer camps.
Implementation of a modern and as code infrastructure.
Containerization of internal and external services.
Deployment of a centralized authentication solution (GoAuthentik)
GitLab
- 2016–2019 **Musician and webmaster**, *Orchestre Symphonique des Jeunes de Strasbourg*, Strasbourg, France, Viola player and member of the sponsorship team
Building a *Partners* website to thank the sponsors.
- 2017–2019 **Person in charge of the student desk**, *EPITA Strasbourg*, Strasbourg, France
Organization of festive events, afterworks for the students of the classes at EPITA Strasbourg.

Skills

Languages	Python, Nix, bash, C, C#, SQL	Web	nginx, HAproxy, Django, Let's Encrypt
Data & storage	PostgreSQL, (Open)LDAP, Ceph, S3, ZFS, XFS, RAID, LVM	Tools	git, vim, i3, tmux
Network	iptables, nftables, iproute2, tcpdump, wireshark, iPXE	Protocols	HTTP, TLS, DNS, SMTP, BGP, OSPF
Virtualization	VirtualBox, libvirt, QEMU, OpenStack	Containers	Docker, podman, Kubernetes
Deployment	ArgoCD, Ansible, Salt	Cloud	GCP, Hetzner
Observability	Prometheus, Alertmanager, Thanos, Grafana, Loki, Tempo	Auth	OpenLDAP, Kerberos, OpenID Connect, GoAuthentik
OS	NixOS, Arch Linux, Debian, Ubuntu, systemd	Hardware	CAT5,5e,6,6A, HP and Cisco switches, Eaton UPS

Interests

- Music Viola, for 15 years, in an Orchestra (Youth Symphonic Orchestra of Strasbourg), during 4 years.
Guitar, self-taught, for 6 years.
- Sports Running.