

# Simon Magnin-Feysot

Systems Engineer

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## Professional Experiences

- 2022 Aug. - **Devops at French public Hospital, Besançon (Hybrid), FRANCE.**  
Now Automating many processes, deploying and creating tooling for the IT team (gitlab, CI, ...). Scripting for integration of proprietary softwares. Tooling in Python to help to the health care providers, for example a tracing application for the infected people of multi-drug resistant bacterias.
- 2019 Jul. - **Tech lead devops at Iguane Solutions, Remote, FRANCE.**  
2022 Aug Iguane Solutions is a B2B hosting company. Technical responsible on the biggest customers of the company (Deezer, Astek, ...). Suggesting amelioration of the infrastructure, deploying new managed services (like Gitlab, Kubernetes, monitoring, metrology) and servers, be reactive during incident, deep troubleshooting of complex infrastructures. As a side project, creating a DevSecOps team and tooling : Developing Go and Python scripts to check potential misconfiguration or some CVE, deploying Crowdsec collaborative IPS solution.
- 2017 Mar. - **Devops/Secops at NBS System, Paris, FRANCE.**  
2019 Jun. First, Member of the Customer service team as a system administrator (level 2-3): customer support and consulting, mainly on a LAMP stack, Xen Varnish, Nginx, HAProxy, Redis, memcache, ... Management in complete autonomy of a parc of 150 virtual machines, both on AWS and on-premise. Technical referent for some large customers. After one year member of the core security team as a DevSecOps : protecting hundreds of customer's websites in an automated way, vulnerability discovery, assessment, virtual-patching and monitoring, at scale. Liaison between the infrastructure and the security team : instructions for large patching campaigns. Working on the PCI-DSS compliance of the infrastructure. Development of various internal security-related software SIEM (Golang), WAF for nginx(C), PHP hardening module (C), ...
- 2016 Sep. - **Intern at Witekio, Lyon, FRANCE.**  
2017 Feb. Comparative study of various IoT operating systems: Brillo, Mbed, Zephyr, ... Production of proof of concept with MbedOS and its associated features: threads, BLE, ...
- 2015 Fev. - **Intern at Adeneo Embedded, Lyon, FRANCE.**  
2015 Jul. Linux time boot optimizations, mainly on Freescale's IMX.6 boards: driver modifications, benchmarks, configuration and code trimming, ... Shranked boot time from 2.5s to 800ms.

## Personnal projects

- Since 2022 **Member of the association "Deux fleurs"**.  
Hosting association about demonstrating the possibility to ally low tech and reliable distribute infrastructure.
- 2017-2020 **System administrator of the association "Nos Oignons"**.  
Nos oignons is a non-profit, donation funded, organization managing large scale Tor exit nodes, currently handling a bit more than 2% of the whole Tor network.

## Education

- 2011 - 2017 **Université de Technologie de Belfort-Montbeliard (UTBM), Belfort, FRANCE.**  
Computer Science engineering school, Embedded software Engineer graduate
- 2014 Sep. - **Korean Advanced Institute of Science and Technology, Daejeon, SOUTH KOREA.**  
2015 Jan. Semester abroad

## Computer Science Knowledges

Languages	Bash, Python, GO	Version control sytem : Git
OS	Linux, Windows	Software provisioning : Ansible, Salt
Hypervisor	Xen, VMWare, Proxmox	Public cloud : GCP (associate certified)
Containers	Docker, Kubernetes, Nomad	

## Languages

French	Native	German : Basic Knowledge
English	Proficient	

## Miscellaneous

- Free culture and self-hosting spirit, rock climbing, archery, brazilian jiu-jitsu (blue belt).