

BENJAMIN BELOT

Cloud & Infrastructure Engineer

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I design, secure, and industrialize IT infrastructure — from cloud migration and automation to network security, containerization, and AI agents.

PROFESSIONAL EXPERIENCE

ESTP Paris | Cloud & Infrastructure Engineer

Mar 2026 – Present

- Leading the migration to Azure cloud and modernizing the institution's application stack, network security, and collaboration tools
- Migration of ESXi VMs to Azure Compute and replacement of on-premises ESXi with Proxmox
- Deployment of a containerized application stack on Azure: Traefik + ACME reverse-proxy, Zabbix/Grafana monitoring, Vaultwarden password manager, Wikis documentation base
- Replacement of TeamViewer Enterprise with RustDesk for all employees
- Deployment of a FortiNAC solution with Huawei NCE switch integration
- Deployment of on-prem local AI inference on 2× NVIDIA RTX PRO 6000 Blackwell (96 GB each): vLLM (gpt-oss-120b), Hermes agent on Slack and OpenCode for the infra team

ESIEE Paris | Systems & Network Engineer

Mar 2022 – Mar 2026

- Migration of Top of Rack switches and Cisco Meraki network core to HPE
- Implementation of an open-source signature circuit solution, « Esup-Signature »
- Management of Samba AD (Tranquil'IT) and 3000+ users. Automation of account-related tasks in Bash (Google Workspace, GAM, Microsoft 365, Samba AD, Samba, Radius)
- Redesign of a Gitlab server for students
- Deployment of a Keycloak SSO solution (OIDC), replacing an Apereo CAS SSO
- Management of firewall rules (Palo Alto), implementation of DDoS protection following numerous attacks (/16 scope). Rerouting and complete redesign of the network
- Configuration of an e2e-encrypted NextCloud for a « Health » service handling sensitive data
- Workflow improvement in Bash (DNS, DHCP, Ansible, Rudder management)
- Deployment of a collaborative work environment for students on Google Cloud Platform, configuration of Cloud Identity and IAM, Compute Engine, and deployment with Terraform

Crous de Créteil | Systems & Network Administrator

Sep 2018 – Mar 2022

- Migration from a local Xen infrastructure to a shared VMware infrastructure (70+ VMs, clustering, deployment of dark fiber from Créteil to Paris)
- IS master plan: drafting of a complete IS master plan with audit, inventory, improvement points, and solutions
- Administration of Linux and Windows servers (Debian, CentOS, Windows Server 2012/16/19)
- Compliance upgrade of several remote infrastructures (ordering, receiving, server configuration, Debian router VM, Samba fileshare VM, OpenVPN L2 link, AD rights inheritance over VPN)
- Containerization of a business application (Docker server, procedures for using Docker with Git, application put behind a Shibboleth IDP/CAS)

Crous de Créteil | IT Technician Apprentice

Sep 2016 – Sep 2018

- Deployment of a simple open-source HelpDesk platform, « OsTicket »
- Deployment of a monitoring solution, « EyesOfNetwork », a bundle combining Nagios, Cacti, and Nagvis
- Server maintenance and installation, rack cabling
- Asset management (GLPI, GPO, Kaspersky Security Center)

HOMELAB & SIDE PROJECTS

- **Kubernetes lab** (multi-node) on Proxmox — aiming for GPU & MLOps
- **Homelabing**: Traefik & Caddy reverse proxies (wildcard Let's Encrypt certificates), Authelia SSO (2FA), Tailscale mesh VPN, pihole (DNS), Raspberry Pi, Home Assistant home automation, Uptime-Kuma & ntfy monitoring, Watchtower, Syncthing, Backblaze B2 backups — ntfy.sh, Telegram bots
- **AI agents**: DeepSeek V4 Flash + Claude Code, Hermes + Honcho orchestration on a VPS — Telegram/ntfy link

EDUCATION & CERTIFICATIONS

French Civil Service Competition (Engineer) Category A, Paris Academy	2021
French Civil Service Competition (Technician) Category B, Créteil Academy	2018
Associate Degree (IT Systems & Networks) , Créteil Academy	2018
High School Diploma , Créteil Academy	2016