

Karl CERTA

Infrastructure Engineer · Automation & Infrastructure as Code

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Summary

Infrastructure Engineer with 6+ years of experience across Linux and Windows environments. Automates provisioning with Terraform and Ansible on VMware and OpenStack, and builds PowerShell tooling to cut repetitive work. AWS Certified Solutions Architect.

Experience

Almerys (via Team-IT) Clermont-Ferrand, France
Ops Consultant Oct 2025 - Apr 2026

Embedded in the DevOps team · French leader in health insurance & e-health · Nutanix-to-OpenStack migration

- Provisioned ~100 OpenStack instances with Terraform, adapting shared modules per project
- Ported Ansible playbooks from RHEL 6 to Debian 12, adapting inventories, variables and Vault
- Implemented GitLab CI pipelines for Java builds, Nexus artifact publishing and dev deployments

Walden Digital Clermont-Ferrand, France
Systems & Network Administrator Dec 2023 - Oct 2025

Internal IT of Walden Group · ~600 servers · ~5,000 users · Europe and India

- Designed Infrastructure as Code workflows for VMware vSphere using Terraform and Ansible, reducing VM delivery from hours to minutes.
- Built reusable Terraform templates for Debian and Windows virtual machines
- Built and documented an RDS farm (licensing, broker, gateway, session hosts) for LabWare LIMS
- Reduced a 2h daily VMware health check to one click with InfraCheck (PowerShell/PowerCLI)
- Built a PowerShell admin panel for Microsoft 365 licence and MFA management
- L1/L2 escalation point; daily tickets, patching, and Zabbix dashboards for Linux and Windows

Assurance Maladie (CPAM) Clermont-Ferrand, France
Systems & Network Administrator Oct 2022 - Dec 2023

French national health insurance · ~30 servers · ~100 users · national health programmes

- Automated weekly delivery of 6 report sets to Exchange groups in PowerShell, with error alerting
- Redeployed Apache Superset on Docker (PostgreSQL on LVM, Nginx, SSL, Oracle), documented
- Consolidated ~10 GPOs across two national consoles; racked an ESXi host into vCenter

Groupe CEGI Clermont-Ferrand, France
Systems & Network Technician Dec 2020 - Oct 2022

Software vendor for hospitals, clinics and nonprofits · hundreds of managed client estates

- Remote support across hundreds of client estates: AD, GPO, SQL Server, IIS, Hyper-V, RDS
- Go-to person on business-application issues; wrote PowerShell scripts for recurring faults

Helpline Clermont-Ferrand, France
On-site Support Technician Mar 2019 - Dec 2019

Eramet / Aubert & Duval · aerospace and defence metallurgy · ~4,000 employees

- Deployed 1,000+ workstations for a Windows 7 to 10 migration across 3 industrial sites (SCCM)
- Managed end-to-end process: user scheduling, data migration, application setup, onboarding to Windows 10

Skills

Infrastructure as Code & CI/CD Terraform, Ansible, GitLab CI/CD, Git, Docker, Vault, Nexus	Cloud & Virtualization VMware vSphere, OpenStack, AWS, Proxmox, Hyper-V, PowerCLI	Linux Debian, RHEL/CentOS, Bash, LVM
Windows & M365 Active Directory, GPO, RDS, IIS, DNS/DHCP, Entra ID, Exchange, PowerShell	Monitoring & ITSM Zabbix, Grafana, Centreon, ServiceNow, GLPI	Network, Security & Backup VLAN, Fortinet, Nginx, Lynis, Fail2ban, OpenSSH, Veeam

Education

AWS Certified Solutions Architect – Associate Amazon Web Services
Certification SAA-C03 June 2026

AFPA Professional Title (EQF Level 5 - ~ Associate Degree)
IT Support Technician Beaumont, France • 2016 - 2017

Personal Projects

Syspirit - IT Blog Infrastructure, Linux and automation articles. https://syspirit.fr	Onyka Open-source, self-hosted note app (SQLite, AES-256). https://onyka.app
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Languages

French Native	English Professional	Spanish Basic
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Interests

HomeLab & Self-Hosting **Gaming** **Rubik's Cube** **Travel**