

# Emilien Meffe

## Senior Systems & Cloud Infrastructure Engineer

07494 325406 | [emilien.meffe@gmail.com](mailto:emilien.meffe@gmail.com) | [linkedin.com/in/emilien-meffe](https://linkedin.com/in/emilien-meffe) | [emeffe.com](http://emeffe.com) | Preston, UK (fully remote)

---

### PROFESSIONAL PROFILE

---

Senior Systems & Cloud Infrastructure Engineer with 8+ years of experience spanning network engineering, systems administration, application ownership, and automation - across globally recognised organisations including Twitch (Amazon) and Marsh McLennan. Bilingual French-English professional with the right to work in both the UK and France. Proven ability to self-initiate technical projects, drive automation from idea to delivery, and operate comfortably across Windows, Linux, AWS, and hybrid environments. Currently pursuing CCNA certification and planning AWS Solutions Architect Associate, holds AWS Cloud Practitioner and Microsoft Azure Fundamentals credentials. Passionate about infrastructure engineering, cloud architecture, and building tools that make teams faster.

### EXPERIENCE

---

#### Systems & Application Engineer | Marsh McLennan

April 2024 – Present • Liverpool, UK (Hybrid)

- Sole technical owner of three enterprise applications (Sage, ISS Suite, Informatica PowerCenter) running on AWS-hosted Windows Server infrastructure. Responsible for administration, upgrades, configuration, and incident resolution.
- Contributed to on-premises-to-AWS migration project for application servers: led architecture discussions for owned systems, defined configuration requirements, and executed pre/post-deployment validation in both pre-production and production environments.
- Self-initiated a PKI automation project using Sectigo SCM REST API and ACME protocol (PowerShell), built a working POC to query certificate inventory and identify expired certificates. Now presenting findings and leading domain validation automation strategy with management.
- Developed PowerShell automation scripts for log cleanup and operational tasks via Control-M, reducing manual overhead across the team.
- Manages incidents and change requests end-to-end via ServiceNow, coordinates cross-functionally with DBA, Security, and Project Management teams across multiple global regions.
- Mentors a junior team member on systems administration practices and tooling.

#### Network Systems Engineer - GSOC | Twitch (Amazon)

April 2022 – April 2024 • London, UK (Remote)

- Provided network and video infrastructure engineering support for a global streaming platform serving tens of millions of concurrent users, operating within Twitch's Global Systems Operations Centre (GSOC).
- Designed and delivered a Go (Golang) automation tool that transformed the team's network incident workflow: the tool automatically ran diagnostic checks on degraded links, retrieved ISP contact details, and generated a pre-populated email ready to send. Saving engineers an estimated 15–20 minutes per ticket and adopted by colleagues across the team.
- Led incident response for network and video infrastructure issues, coordinating with third-party vendors and internal stakeholders to restore service and minimise customer impact.
- Built and maintained internal GSOC operational tooling and runbooks, authored process documentation that improved team consistency and onboarding speed.
- Monitored network analytics to proactively identify patterns and prevent recurring incidents.
- Worked with Puppet for configuration management and deployments across Linux (Red Hat) server infrastructure.

#### Technical Support Engineer | Informatica

September 2019 – April 2022 • Maidenhead, UK

- Provided expert-level technical support for Informatica PowerCenter users globally, resolving complex ETL pipeline failures, performance issues, and integration bugs across MSSQL and Oracle DB environments.
- Acted as liaison between customers and development teams to reproduce, escalate, and drive resolution of software defects. Contributing to product quality improvements.
- Built deep, hands-on expertise with Informatica PowerCenter that later became a direct asset when taking ownership of the platform at Marsh McLennan.

## Assistant Project Manager (Apprenticeship) | EDF

September 2016 – September 2019 • Bordeaux, France

- Contributed to the design and delivery of an enterprise Geographic Information System (GIS) over a 3-year apprenticeship alongside a Master's degree. Leading POC development, stakeholder testing, and risk assessments.
- Implemented automated test frameworks using Selenium, Cucumber, and Gherkin, improving release quality and reducing manual regression testing time.
- Gained hands-on experience with CyberArk privileged access management and cross-departmental stakeholder engagement at enterprise scale.

## TECHNICAL SKILLS

---

Cloud & Infrastructure	AWS (EC2, ELB, VPC, CloudWatch) · Microsoft Azure · Windows Server 2012–2022 · Active Directory
Operating Systems	Windows Server (advanced) · Linux — Red Hat (Twitch, prod) · Debian (academic) · Ubuntu (homelab, WSL)
Automation & Scripting	PowerShell (advanced) · Go (Golang) · C# · Bash · Python · REST API integration · ACME protocol · n8n · Terraform (learning, homelab)
Networking	TCP/IP · DNS · Firewall · Load Balancing · VPN · Network diagnostics · CCNA in progress
PKI & Security	Sectigo SCM · SSL/TLS certificate lifecycle · ACME automation · CyberArk (client & admin support)
Application Platforms	Informatica PowerCenter · Sage · ISS Suite · Control-M · Puppet
Databases	Oracle DB · MSSQL · IBM Db2 (exposure)
Tooling & ITSM	ServiceNow · Jira · Git / GitHub · SAP (exposure) · Datadog (exposure) · Forgejo · Traefik · Docker Compose
Languages	French (native) · English (full professional fluency - UK-based 6+ years)

## CERTIFICATIONS

---

- **AWS Certified Cloud Practitioner** - Amazon Web Services (April 2024)
- **Microsoft Certified: Azure Fundamentals (AZ-900)** - Microsoft (April 2024)
- **C# Programming - Beginner to Advanced** - Udemy / Mosh Hamedani (2025)
- *CCNA - Cisco (in progress)*
- *AWS Solutions Architect Associate - Amazon Web Services (planned, post-CCNA)*

## EDUCATION

---

- **Master's degree - Network & Information Systems (Bac+5)** - ENSEIRB-MATMECA, France (2016–2019)
- **Bachelor's degree - Networks & Telecommunications** - Université de Pau et des Pays de l'Adour, France (2014–2016)

## PERSONAL PROJECTS & CONTINUOUS LEARNING

---

- **Homelab (Proxmox / Docker)** - Built and maintain a production-grade self-hosted infrastructure on Proxmox: 25+ Docker Compose services behind Traefik with Authentik SSO/OIDC, full CI/CD via Forgejo Actions, AWS S3 backup with Terraform, and an automated monthly DR test using n8n that provisions, restores, validates, and destroys a bare metal instance for ~€0.50 per run.
- **Discord Bot (Go / Golang)** - Designed and built a fully featured Discord bot in Go from scratch, source available on GitHub ([github.com/TouficGIT](https://github.com/TouficGIT)). Demonstrates practical software engineering skills beyond scripting.
- **Personal Website** - Developed and maintain a personal portfolio site ([emeffe.com](https://emeffe.com)) built with Astro, Tailwind CSS, and hosted on Docker in my Homelab. Includes portfolio, blog and project showcase.
- **Game Development** - Ongoing personal projects in Unity (C#) and Unreal Engine 4, participated in a 48-hour Epic MegaJam, collaborating with a team to design, build, and ship a game under time pressure.