

MICHEL FERNANDY ELOKA

Cloud & Platform Engineer

Target roles: Cloud engineer · platform engineer · DevOps engineer

Provision, configure and observe a hybrid platform that can be restored.

CONTACT

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Interactive portfolio

Paris · Île-de-France · open to relocation in France

- **Available immediately**

AT A GLANCE

≈10	AWS VMs via Terraform
3+3	controllers + workers
3	environments

PROFILE

A graduate information systems engineer from EPISEN, I spent two work-study years at Crédit Coopératif – Groupe BPCE developing, integrating and industrialising banking applications: Jenkins, Artifactory, XL Deploy, SonarQube, Checkmarx, automated tests, release preparation and run support. On top of that, three years of a team engineering project gave me hands-on practice with Linux, Docker, Kubernetes, Terraform, Ansible, AWS, on-premises private cloud, GitOps, observability and incident diagnosis.

PROFESSIONAL EXPERIENCE

Full-stack & data developer (work-study)

2024 – 2026

Crédit Coopératif – Groupe BPCE · Paris · IT Studies and Data department, Java team

- Industrialised Jenkins CI/CD pipelines for Java / Angular projects: artifacts in Artifactory, automated tests, SonarQube and Checkmarx scans, deployments with XL Deploy.
- Supported the run: defect tracking, reproduction, first-level diagnosis and coordination with users, IT teams and production.
- Prepared releases: prerequisite checks, change documentation and coordination of delivery steps.
- Tracked tasks, dependencies, defects and milestones in Jira and Confluence, in Agile Scrum / TEMPO: daily stand-ups, planning, reviews and retrospectives.
- Built Angular interfaces and Java / Spring services, with REST APIs, data persistence and error handling.

HIGHLIGHTS

Third-party component vulnerability alerts

Requirements analysis, building the collection and reporting, tests, quality checks, documentation and integration into the delivery pipeline.

`Java · Angular · API REST · NIST NVD · Jenkins · SonarQube · Checkmarx`

Digital business cards with QR codes

Scoping with a non-technical team, full-stack development, tests, documentation and rollout support.

`Java · Angular · API REST · Jenkins · XL Deploy`

HR application (HRIS) modernisation

Contributed to analysis, functional migration, full-stack development, tests, documentation, change preparation and post-release follow-up.

`Java · Angular · API REST · VBA / Access (existant)`

SKILLS

Cloud and infrastructure

AWS · VMware vSphere · Proxmox · Terraform · Ansible · Linux · Bash · Docker · Kubernetes

Observability and security

Prometheus · Loki · Grafana · Keycloak · OAuth2 / OIDC · RBAC · NetworkPolicies

CI/CD and delivery

Jenkins · GitHub Actions · Artifactory · XL Deploy · SonarQube · Checkmarx · Argo CD · Argo Rollouts · Kustomize

Development and data

Java / Spring · Angular · React / TypeScript · Python · Kafka · PostgreSQL · MongoDB · Redis

Methods

Scrum / TEMPO · Jira · Confluence · RCA

LANGUAGES

French: fluent

English: B2 level, reading and writing technical documentation

INTERESTS

Chess · Football · Table tennis

SIRIUS ENGINEERING PROJECT

EPISEN · 2023 – 2026 · team of 3

- Hybrid infrastructure: about 10 AWS VMs provisioned with Terraform, VMware vSphere VMs at the school, Ansible configuration and a Proxmox lab with snapshots and rollback.
- Several Kubernetes clusters, separate dev, staging and production environments, per-environment configuration with Kustomize.
- Security and observability: Keycloak and OAuth2 / OIDC, RBAC, NetworkPolicies, Prometheus, Loki, Grafana, probes and resource limits.
- Move from Jenkins to GitHub Actions and Argo CD with GitOps: Image Updater, Argo Rollouts, Blue-Green and Canary strategies.

ENGINEERING THESIS

Evaluating AI methods for Kubernetes incident diagnosis

2025 – 2026

- Controlled protocol: 10 Kubernetes incident scenarios, 15 repetitions, 2 models and 3 architectures (LLM only, RAG, ReAct agent), for 900 trials blind-scored by 2 LLM judges.
- With Kimi K2.5, the ReAct agent reaches 5.113/6 versus 4.230/6 for classic RAG, at the cost of about 77.84 s of extra latency and about 34,258 extra tokens.
- Recommendation: classic RAG by default (4.120/6 with Qwen in about 4.04 s), agentic escalation for complex incidents. FastAPI service tested, containerised and deployed with GitHub Actions and Argo CD.

EDUCATION

Engineering degree in information systems

2023 – 2026

EPISEN – Université Paris-Est Créteil

Software engineering training

2022 – 2023

ALX, online

Preparatory classes in Mathematics and Physics (MP)

2020 – 2022

ESIAC, Cameroon

ENGAGEMENT

- Maths tutor with Acadomia since 2023: 8 middle and high school students supported with tailored explanations, targeted exercises and progress tracking.
- I chaired the chess section of Crédit Coopératif's sports association (ASCC) and the EPISEN chess club: running the clubs, organising activities and bringing members together. I handed both presidencies over after graduating. Competitive chess player, notably during my preparatory years in Cameroon.