

NADIR ARFI

CLOUD / DEVOPS ENGINEER

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PROFESSIONAL SUMMARY

Cloud/DevOps Engineer with 3+ years designing and operating secure, highly available Azure/AWS infrastructure for public-sector and enterprise clients (EIB, EU Publications Office, Bancontact, ECB). Specializes in Kubernetes (AKS/EKS), Infrastructure as Code, and CI/CD automation; holds 8 certifications across AWS, Azure, Kubernetes, and Terraform.

PROFESSIONAL EXPERIENCE

ARHS Group (part of Accenture) — Cloud/DevOps Engineer, Luxembourg

Oct 2023 – Present

OP Portal Platform — Publications Office of the European Union

Sept 2025 – Present

- Led the migration of **30+ services** to a newly built **AKS** platform, delivering a **zero-downtime** cutover.
- Architected secure, highly available routing with **AKS**, **NGINX Ingress**, **Azure Front Door**, and **Private Link**.
- Standardized deployments across dev, staging, and production using **Kapp/Ytt** manifests and **GitLab CI/CD** pipelines.
- Integrated **Elasticsearch**, **PostgreSQL**, and **Liferay CMS**, improving platform stability and performance.
- Administer multiple production **AKS** clusters, performing regular **CVE** remediation and controlled version upgrades.
- Integrated **Azure Front Door WAF** with managed bot detection and **Microsoft Threat Intelligence** for endpoint hardening.
- Automated **PostgreSQL** and **Elasticsearch** backup/restore, authoring upgrade runbooks and **DRP** for the MSP team.

Medical Analysis Report Generation — Laboratoires Réunis & Biogroup

Jun 2025 – Sept 2025

- Designed and deployed a full-stack app (**Static Web Apps**, **App Services**, **Event Hub**) for medical report automation.
- Configured **Keycloak** and **Azure Entra ID** SSO across two client tenants, integrating **MongoDB Atlas** and **Front Door**.

Azure Landing Zone — European Investment Bank (EIB)

Sept 2024 – Jun 2025

- Led a 3-person CloudOps team (2 juniors) through **180+ tickets**, designing hub-and-spoke network architecture.
- Built reusable **Terraform** modules and **Azure DevOps** pipelines, cutting provisioning time for new environments.
- Managed Azure subscriptions and Policy assignments, enforcing least-privilege via **Entra ID** and **RBAC**.
- Onboarded and mentored 2 junior engineers on Azure operations and **Terraform**-based infrastructure as code.

Multi-Cloud Platform Operations & SRE — Managed Services Provider (MSP) Team

Oct 2023 – Present

- Deliver **24/7/365 on-call** support for **10+ enterprise clients** across Luxembourg as an escalation point for critical incidents.
- Resolved **1,300+ Jira tickets** spanning incidents, service requests, and infrastructure changes, consistently meeting SLA.
- Manage **Kubernetes (AKS/EKS)** clusters across clients, performing version upgrades and **CVE** patching.
- Implement infrastructure as code using **Terraform**, **Terragrunt**, **CloudFormation**, and **Ansible** to standardize provisioning.
- Build **CI/CD** pipelines in **Azure DevOps**, **GitLab CI**, and **Jenkins**; tune **AWS WAF** for production.
- Automate recurring operational workflows with **Python (FastAPI)**, **Bash**, and the **Datadog** API, reducing manual toil.
- Onboarded and mentored 2–3 engineers on cloud operations, **CI/CD** practices, and **Python** automation.
- Manage incident response and escalation across concurrent clients (**Bancontact**, **ECB**, **Publications Office EU**).
- Monitor workloads with **Datadog**, **CloudWatch**, and **Azure Monitor**; build dashboards for proactive detection.
- Implemented procedures for **Kubernetes** component upgrades and ongoing cluster maintenance.
- Introduced **Kubernetes Operators** to the new platform to streamline upgrades and reduce operational overhead.

SKILLS

Cloud & Infrastructure: AWS, Azure, Docker, Kubernetes (AKS/EKS), Terraform, CloudFormation

Networking & Security: DNS, WAF, RBAC, Azure Entra ID

Programming & Scripting: Python, Bash, SQL

DevOps & Orchestration: Git/GitHub/GitLab, Azure DevOps, CI/CD Pipelines, Helm

Monitoring & Logging: Datadog, Elasticsearch, CloudWatch, Azure Monitor

Languages: French, English, Arabic

CERTIFICATIONS

- Microsoft Certified: Azure Solutions Architect Expert (2025)
- Microsoft Certified: Azure Administrator Associate (2024)
- Certified Kubernetes Administrator – CKA (2023)
- HashiCorp Certified: Terraform Associate 002 (2023)
- AWS Certified Developer – Associate (2023)
- AWS Certified Solutions Architect – Associate (2023)
- AWS Certified Cloud Practitioner (2022)
- Cisco Certified Network Associate (2020)

EDUCATION

Master's Degree in Green Networking and Cloud Computing (Erasmus Mundus)

Sept 2021 – Aug 2023

Université de Lorraine (France) · Luleå University of Technology (Sweden) · Leeds Beckett University (UK) — Selected from 600 applicants worldwide for a fully funded European Commission scholarship.

Engineering Degree in Telecommunications and Electronics

Sept 2016 – Aug 2021

École Nationale Polytechnique (ENP), Algeria — Ranked 21st of 1,338 students, national preparatory classes entrance examination.