Anes AMRI | DevOps & Cloud engineer

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Summary

- Dynamic professional with 3 years of experience in DevOps and Cloud.
- Strong skills in Python, Docker, Terraform, and Kubernetes, working in agile environments.
- Proven experience in continuous integration and automation of efficient CI/CD pipelines.
- Practical expertise in managing infrastructure with Infrastructure-as-Code (IaC) tools.
- Diverse background, evolving from QA intern to DevOps and Cloud Engineer/Consultant.

Skills

- **Development** : C | Java | Python (Pydantic,FastAPI,Flask)
- **Scripting** : Python | Bash
- **Databases** : PostgreSQL | SpiceDB
- **Containerization and virtualization** : Docker | Kubernetes | Proxmox
- **Automation and configuration management** : Terraform | Ansible | Helm
- **DevSecOps tools and Cloud** : Gitlab-CI | Github | Jira | Vault | Nats.io | Azure | OpenStack
- **Methodology** : Microservices | REST API | Incident analysis | Release management | Run & Build | E2E testing | TDD
- **Observability** : Grafana | Prometheus | AlertManager | Loki | Dynatrace
- **Languages** : English, Arabic, French

Experiences

DevOps engineer	**Orange PFC**	*Hybride, Nice*	**09/2023 - ongoing**

> **Orange PFC** is a department of Orange (a telecommunications company) responsible for all topics related to cloud and observability for other IT departments within **Orange**.

• **Implemented Helm charts and Helmfile** to streamline application deployments and management, significantly reducing deployment time and errors. *Notable reduction in errors and acceleration of deployment cycles.*

• **Designed and deployed a SaaS logging solution** using Loki and Promtail, optimizing the management of Promtail and Loki components, including read and write access to logs. Logs are stored in dedicated S3 instances within our data centers. *Improved event traceability, secure log storage, and compliance with data center requirements.*

• **Developed Python API features** with unit tests and CI/CD pipelines on GitLab, enabling direct user access to Grafana orgID and other essential functionalities. *Enhanced user experience and increased service reliability.*

• **Automated the deployment of solutions and Grafana dashboards** in development and pre-production environments using Terraform. Leveraged **Vault** for secrets management and an **internally developed provider**. *Secured secrets, enabled flexible deployments, and reduced integration efforts.*

• **Contributed to transforming a monolithic application into microservices**, focusing on integrating an event bus with Nats.io and transitioning to a multi-site architecture. *Enhanced high availability, ensured data redundancy, and simplified future evolution.*

• **Deployed a shared Nats cluster** across two data centers located in different geographical regions. *Guaranteed high availability and increased resilience against regional outages.*

• **Developed the Nats service in the Python API**: Integrated the Nats library to connect the API to the cluster and send events for each user action. *Improved real-time responsiveness and notification reliability.*

• *Managed CI/CD for a Golang project:* Implemented CI/CD pipelines using *To-be-continuous* templates*, Gtoreleaser and Vault* for secrets management, generating minimalist and secure Docker images and binaries in a DevSecOps approach*. Enhanced deployment security and automated sensitive information management.*

• **Managed product documentation and execution processes:** Created and maintained comprehensive documentation covering development to production. *Facilitated smooth communication across teams and rapid adoption of workflows.*

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| **IT DevOps Analyst** | **Geodis SCO** | *Hybride, Paris* | **08/2021 - 07/2023** |

> *Supply Chain Optimization* is a division of **Geodis** (a global logistics company) responsible for optimizing and managing supply chains for clients or other divisions within **Geodis.**
• **Analyzed and evaluated monitoring tools** to optimize system performance.
• **Designed and implemented a monitoring strategy** for applications hosted on Azure Cloud, using Grafana for data visualization.
• **Integrated monitoring solutions** to create a centralized and efficient hypervision system.
• **Migrated to Dynatrace** for application performance analysis and optimization.
• **Used Dynatrace for functional monitoring**, enabling end-to-end tracking of business workflows. *The solution was approved and adopted for monitoring needs.*
• **Managed costs and optimized resources** for Azure Cloud solutions using a FinOps approach. *Achieved savings of over €1,000/month in Azure storage.*
• **Enhanced Kubernetes (K8s) infrastructure security**, addressing various security topics.
• **Shared knowledge and trained L2 IT support teams** in monitoring techniques and the implementation of Dynatrace, within a DevOps culture promoted by the group. *All L2 IT support teams were able to collaborate with the digital factory team to resolve user issues and rapidly deliver new features.*

| **QA automation & tester** | **Académie de Lille** | *Full remote, Lille* | **04/2021 - 07/2021** |

> *Académie de Lille* is a French academic institution managed by a rector, encompassing all educational institutions in the Nord and Pas-de-Calais departments.
• **Analyzed and compared functional testing tools** to optimize quality control processes.
• **Integrated and automated functional tests** into a continuous deployment (CI/CD) pipeline on GitLab, improving the efficiency and reliability of deliveries with E2E tests.
• **Designed and developed test scenarios** to validate functionality and ensure compliance with project requirements.

Education

Master of Cloud Computing	**Université de Lille 1**	*Lille, France*	**09/2021 - 06/2023**
Bachelor of Computer Science	**Université de Lille 1**	*Lille, France*	**09/2020 - 06/2021**