

## SKILLS

### Workflow Orchestration

Prefect 3.x Pipeline design

Event-driven flows

State management Retry policies

Async execution

### Backend & APIs

Python 3.12+ FastAPI Flask

REST design Pydantic v2

SQLAlchemy 2.0

### Databases

PostgreSQL PostGIS GeoAlchemy2

Alembic Spatial queries MySQL

### Infrastructure & IaC

Kubernetes Helm Docker

Ansible Terraform Proxmox VE

### CI/CD & Observability

GitLab CI Prometheus Grafana

InfluxDB OpenSearch

Structured logging

### Systems & Networking

Linux (Deb/RHEL) Bash 5G RAN

DPDK Ceph / ZFS nftables

## EDUCATION

2028

### Master's Degree ISECOM

INSA Hauts-de-France, Valenciennes

2028

### 5G Specialization

Institut Mines-Télécom

2018

### Bachelor's Degree EEEA

University of Lille

## LICENCES & CERTIFICATIONS

### AI & AGENTIC SYSTEMS

#### ● Tavily Web Search API

TavilyMay 2026

#### ● Intro to RAG

IBMApr 2026

#### ● MCP: Advanced Topics

AnthropicMar 2026

#### ● Intro to Model Context Protocol

AnthropicMar 2026

#### ● Claude Code in Action

AnthropicMar 2026

#### ● Building with the Claude API

AnthropicMar 2026

#### ● AI Fluency Framework & Foundations

AnthropicMar 2026

## KUBERNETES & DEVOPS

## PROFILE

I work on **network automation platforms** and **orchestration pipelines** that eliminate manual operations at scale. Currently contributing to **iAF** (Iliad Automation Framework) — an internal SMO platform that automates network equipment deployment operations end-to-end, at scale.

My stack is Python-first, API-driven, and GitOps-native: **Prefect 3.x** for workflow orchestration, **FastAPI / Flask** for internal service APIs, **SQLAlchemy 2.0 + PostgreSQL** for state management, **Docker + Kubernetes** for deployment, and **Ansible + Terraform** for infrastructure. I run my own bare-metal Proxmox data center — from storage clusters to CI/CD pipelines, everything is automated.

## EXPERIENCE

### Network Automation Engineer — iAF

#### Free Mobile / Iliad Group

Mar 2026 – Present Paris

- Contributing to **iAF** (Iliad Automation Framework), an internal **Service Management & Orchestration** platform automating network equipment deployment operations at scale
- Developing and maintaining **orchestration workflows and APIs** that automate eligibility checks, provisioning, and lifecycle management across the network
- Shipping features, fixing production incidents, and ensuring platform reliability through **CI/CD pipelines** and automated deployments
- Translating business and operational requirements into **automated decision logic**, reducing manual interventions by field teams
- Designing and integrating **internal service APIs** that coordinate multiple systems and teams across the deployment chain
- Owning end-to-end delivery: from feature design and code review to production monitoring and incident resolution

Python 3.12 Workflow Orchestration REST API PostgreSQL Spatial Data Docker CI/CD

Production

### NetDevOps Engineer — E2E Performance Team

#### Free Mobile / Iliad Group

Nov 2022 – Mar 2026 Paris

- Implemented alerting and monitoring solutions for RANsharing using **Grafana, MySQL, and Docker**
- Automated Drive Test report analysis for inter-operator benchmarking (Python)
- Developed **TEASSD**, an IP troubleshooting tool based on BBR & CUBIC algorithms (Bash, Python, Flask, Streamlit)
- Designed a web browsing simulation tool generating PCAP files for network performance analysis, leveraging **DPDK** for high-speed packet capture and deep traffic inspection
- Built Core Web Vitals analysis pipelines using **Selenium** and Chrome Performance APIs
- Integrated **Grafana and InfluxDB** for real-time visualization of network performance trends
- Validated and deployed new software on network nodes (Debian-based Linux)
- Collaborated with partners (Nokia, nPerf, OpenSignal) for incident follow-up and software validation

Python DPDK Grafana InfluxDB Flask Streamlit Docker Bash MySQL

### QoS Performance & Optimization Consultant

#### Bouygues Telecom

Jan 2021 – Oct 2022 Meudon

- Identified daily performance degradations and initiated corrective actions
- Optimized the operation of new sites and technologies (LTE/5G)
- Tested and deployed new LTE/5G features
- Monitored and analyzed quality indicators (KPIs)
- Wrote technical instructions and interface matrices with other entities

- **LFS261: DevOps & SRE – Cont. Delivery**  
Linux FoundationJan 2025
- **LFS258: Kubernetes Fundamentals**  
Linux FoundationOct 2024
- **Containers Fundamentals**  
Linux FoundationJun 2023
- **LFS162: Intro to DevOps & SRE**  
Linux FoundationOct 2023

#### CLOUD

- **AWS Cloud Practitioner Essentials**  
Amazon Web ServicesApr 2024
- **OpenStack & NFV (TelcoCloud)**  
UdemyJun 2023

#### LINUX & SYSTEMS

- **LFS207: Linux SysAdmin Essentials**  
Linux FoundationOct 2023
- **LFS203: Linux for Cloud Technicians**  
Linux FoundationMay 2023
- **Linux System Administration**  
LinkedIn LearningMay 2023
- **Linux Security**  
LinkedIn LearningMay 2023
- **NDG Linux Unhatched**  
Cisco Networking AcademyMay 2023

#### SECURITY & OPEN SOURCE

- **OpenSSF Scorecard**  
Linux FoundationJul 2024
- **Green Software for Practitioners**  
Linux FoundationJun 2024

#### PYTHON & DATA

- **Python: Task Automation**  
LinkedIn LearningDec 2023
- **Python for Data Visualization**  
UdemyDec 2023
- **pandas for Data Science**  
LinkedIn LearningDec 2023
- **Python for Data Science**  
LinkedIn LearningDec 2023
- **Python Essentials 1 & 2**  
CiscoOct 2021

#### TELECOM & 5G

- **5G Network Planning & Optimisation Expert**  
NokiaJan 2024
- **5G Network Planning & Optimisation Expert**  
NokiaApr 2023
- **HCIA-5G V1.0**  
HuaweiOct 2021
- **EPC Network**  
HuaweiOct 2021
- **5G Dynamic Spectrum Sharing (DSS)**  
Keysight TechnologiesNov 2020
- **O-RAN: The 5G Path Forward**  
Keysight TechnologiesNov 2020

LTE / 5G

KPI Analysis

RAN Optimization

## Master's Thesis — 5G RAN Energy Optimization

Orange (OLN/TGI)

📅 May 2020 – Oct 2020 📍 Châtillon

- Analyzed and proposed solutions to reduce 5G RAN energy consumption
- Conducted comparative benchmarks of 5G solutions across manufacturers
- Developed **Green\_RAN\_App**, a benchmarking tool (PHP/MySQL/HTML/CSS/JS)
- Participated in test campaigns for new 5G products

5G RAN

PHP

MySQL

Research