



Arno Wilhelm

Data & Cloud Engineer

+33 6 70 36 80 39
arnowilhelm3@icloud.com
arno-wilhelm.dev
/arno-wilhelm
/snonow

Professional Experience

PwC Luxembourg

Data Engineer (Permanent)

Sep. 2026 – Present

Luxembourg

- > Build and maintain the Azure infrastructure of the team's data and AI platforms (data collection, internal RAG services) with Terraform and Azure DevOps CI/CD
- > Support the team's application projects, mostly .NET 6/8, on hosting, deployment and runtime issues

PwC Luxembourg

Cloud Infrastructure Intern – Data Science Team

Feb. 2026 – Aug. 2026

Luxembourg

- > Migrated a manually-built production data platform to a locked-down enterprise Azure tenant, describing its 60+ resources in Terraform
- > Made releases safe and repeatable: every change now follows the same automated, security-checked path from test to production (Azure DevOps)
- > Brought the platform's apps and data flows back online after the move (secure private networking)
- > Designed and deployed the Azure infrastructure (Terraform) of an internal RAG / agentic-AI services hub, and integrated its back-end and front-end

Kagawa University – Machine Learning Laboratory

MLOps Technician Intern

Feb. 2025 – Apr. 2025

Takamatsu, Japan

- > Co-authored a published research paper on hybrid MLOps practices for SMEs

Junior Enterprise (Junior PAC)

Association President

Sep. 2024 – Present

Annecy, France

- > Lead a 6-engineer team in a student-run consulting association (Junior-Entreprise)

Projects

Fudami – Japanese Learning Platform

Personal product – solo design & build

Jun. 2026 – Present

- > Japanese learning app (React Native, Python, Cloudflare Workers/D1/R2) with an FSRS spaced-repetition engine

Education

Polytech Annecy – Master of Engineering in CS & Data Analytics

Specialization: Computer Science, Data & Applications

Sep. 2023 – Sep. 2026

Annecy, France

Bern University of Applied Sciences (BFH) – MSc Engineering (Exchange)

Transformers, Self-Supervised Learning, Cloud Systems

Sep. 2025 – Feb. 2026

Bern, Switzerland

Kagawa University – Master's in Data Science (Exchange)

Blockchain, Cryptography, Mathematics & Data Science

Apr. 2025 – Aug. 2025

Takamatsu, Japan

Lycée Claude Gellé – Classe Préparatoire aux Grandes Écoles (MP)

Sep. 2021 – Sep. 2023

Skills

Cloud & DevOps: Microsoft Azure, Terraform / OpenTofu, Ansible, CI/CD (Azure DevOps YAML), Docker, Linux, Git, Proxmox homelab

Data: Python (advanced), SQL, ETL pipelines, Neo4j, Power BI, Tableau

Dev: C# / .NET, FastAPI, TypeScript / React Native

AI & ML: Claude Code, GitHub Copilot, self-hosted RAG & AI agent (Ollama), MLOps (co-authored paper)

Languages: French (native), English (C1, TOEIC 920), Japanese (~N3)

Interests: Endurance sports (running, cycling, skiing) | Language learning