

PHILIPPE VIENNE

Cloud & DevOps Solutions Architect | Former Startup Technical Co-Founder & CTO

Lyon, France (Hybrid / Remote) • Philippe@Vienne.me • philippe.vienne.me • linkedin.com/in/pvienne • github.com/PhilippeVienne

PROFESSIONAL SUMMARY

Accomplished Cloud & DevOps Solutions Architect and former Startup Technical Co-Founder (CTO) with **15 years of software engineering and cloud infrastructure expertise** (M.Sc. in Engineering, INSA Lyon). Specialist in high-availability, fault-tolerant multi-cloud environments (AWS, GCP, Azure, OpenShift, Kubernetes, Terraform). Proven track record delivering mission-critical platforms across heavily regulated industries (Nuclear at EDF, Aviation at Air France, Banking/FinTech at ActiveViam Singapore, and French Sovereign Cloud S3NS). Multi-certified AWS (Solutions Architect Professional, Developer, CloudOps, AI Practitioner), Google Cloud (Associate Cloud Engineer), and HashiCorp (Terraform Associate).

CERTIFICATIONS & ACCREDITATIONS

- **AWS Certified Solutions Architect – Professional** — Amazon Web Services (AWS) (03/2024 · Exp. 03/2027)
- **HashiCorp Certified : Terraform Associate (003)** — HashiCorp (10/2025 · Exp. 10/2027)
- **AWS Certified Developer – Associate** — Amazon Web Services (AWS) (12/2025 · Exp. 12/2028)
- **AWS Certified AI Practitioner** — Amazon Web Services (AWS) (11/2025 · Exp. 11/2028)
- **GenAI Level 1** — Devoteam (10/2025)
- **Google Cloud Certified – Associate Cloud Engineer** — Google Cloud (08/2026 · Exp. 08/2029)
- **AWS Certified Solutions Architect – Associate** — Amazon Web Services (AWS) (03/2024 · Exp. 03/2027)
- **AWS Certified CloudOps Engineer – Associate** — Amazon Web Services (AWS) (11/2025 · Exp. 11/2028)
- **AWS Certified Cloud Practitioner** — Amazon Web Services (AWS) (01/2024 · Exp. 11/2028)
- **Sustainable IT Fundamentals** — Devoteam (09/2025)

PROFESSIONAL EXPERIENCE

Most Valuable Cloud & DevOps Architect — Devoteam (AWS Premier Partner) Sept. 2025 – Present
Lead Cloud & DevOps Consultant — Strategic Enterprise Engagements Lyon, France (Hybride)

- **EDF — DIVNUM / PAT Software (Developer Tooling Platform) (Since May 2026 – Present)** : Integrated Generative AI solutions within the software development lifecycle (SDLC); modernized developer tooling and accelerated DevSecOps engineering practices across EDF Group.
- **Vapérail (April 2026)** : Architected high-precision rail geotracking platform using PostGIS, MapLibre, OpenStreetMap, OpenRailMap, and SNCF open data. Deployed and hardened on Microsoft Azure. Concurrently delivered Kiro platform for Devoteam Lyon.
- **EDF — IT Expert OpenShift (Oct. 2025 – March 2026)** : Strategic migration of the corporate "Starter Kit WebApp" from AWS public cloud to Red Hat OpenShift (internal EDF CaaS) in a regulated nuclear environment. Implemented Security by Design, network segregation, and multi-cloud governance uniting AWS and Google Cloud Platform via S3NS (French Sovereign Cloud).

Technologies : Red Hat OpenShift, Kubernetes, AWS, Google Cloud (S3NS), Microsoft Azure, PostGIS, MapLibre, GenAI, CI/CD, DevSecOps.

Cloud & Kubernetes Architect — Skyloud Nov. 2023 – Sept. 2025 (1 yr 11 mos)
Cloud Architecture, Production Operations & FinOps Advisory Lyon, France

- Architected fault-tolerant, resilient Kubernetes systems across multi-zone and multi-cloud topologies to guarantee enterprise SLAs.
- Fully automated cloud infrastructure using **HashiCorp Terraform (IaC)** for automated configuration management and disaster recovery.
- Reduced client operational cloud costs by **15%** through FinOps optimizations and rightsizing; multiplied application throughput and performance by **4x (+300%)**.
- Deployed, orchestrated, and operated **100+ Kubernetes clusters** in production across 30 enterprise clients (€330k infrastructure budget).

Technologies : AWS (EKS, RDS, CloudFront, EC2), Microsoft Azure, Scaleway, HashiCorp Terraform, Kubernetes, Helm, FinOps.

Technical Co-Founder & CTO (Startup) — Smartfire Feb. 2019 – Aug. 2023 (4 yrs 7 mos)
Technical pillar in a 2-person founding team • SaaS Product & R&D Lyon, France

- Architected and developed a cloud-native SaaS product orchestrating ephemeral development environments (Java, Kubernetes, OpenStack, TypeScript).
- Advanced R&D: repackaged Microsoft Visual Studio Code for high-performance web distribution in the browser (containerized cloud IDE).
- Developed high-performance JavaScript libraries for WordPress ecosystems with full-stack React.js frontends.
- Designed and operated resilient cloud infrastructure handling high-traffic e-commerce operations (AWS, OVHcloud).

Technologies : Kubernetes, Java, OpenStack, TypeScript, React.js, VSCode Web, AWS, OVHcloud, Docker, CI/CD.

DevOps Engineer — Aerospace Datacenter Modernization — Atos / Air France

Oct. 2018 – Jan. 2019 (4 mos)

Air France Private Datacenter Kubernetes Infrastructure

Sophia Antipolis, France

- Deployed containerized Kubernetes clusters within Air France enterprise datacenters using RKE (Rancher Kubernetes Engine) and Rancher platform.

Technologies : Kubernetes, Rancher, RKE, VMware vSphere, Datacenter Privé, Docker.

Java Software Engineer & CI/CD (FinTech) — ActiveViam

Feb. 2018 – Aug. 2018 (7 mos)

High-Performance In-Memory OLAP Database for Tier-1 Banks

Singapour (Singapore)

- Designed and automated the CI/CD pipeline model for global institutional clients running ActivePivot (distributed in-memory OLAP database engine).

Technologies : Java, ActivePivot, OLAP in-memory, CI/CD, Jenkins, Marchés Financiers.

Early Career Engagements (Virtualization, Mobile, Scientific)

2013 – 2017

- Moonkey (2017) :** Virtualization infrastructure with Docker and Rancher; video streaming API.
- Freelance (2015 – 2016) :** Hybrid mobile apps (Ionic, HTML5/JS) and Ruby on Rails backends.
- Fédération Française de Spéléologie (2013) :** Scientific data exploitation software with JavaFX for cave sensors data visualization.

TECHNICAL & ARCHITECTURAL SKILLS

Cloud & Platforms : Amazon Web Services (AWS), Google Cloud Platform (GCP), Microsoft Azure, Scaleway, OVHcloud, Sovereign Cloud (S3NS / SecNumCloud), OpenStack

Containers & Orchestration : Kubernetes (EKS, GKE, RKE), Red Hat OpenShift (CaaS), Docker, Helm, Rancher, Microservices Architecture, Multi-Cluster

Infrastructure as Code & DevOps : HashiCorp Terraform, CI/CD (GitLab CI, GitHub Actions, Jenkins, ArgoCD), Gitlab Runner, Ansible, Monitoring & Observability, Disaster Recovery

Software Engineering & R&D : TypeScript, JavaScript, Java (Spring, In-Memory OLAP, JavaFX), React.js, Ruby on Rails, REST APIs, PostGIS / MapLibre / GIS, VSCode Web Repackaging

Governance & Methodologies : Large-Scale Cloud Architecture, FinOps & Cost Reduction (-15%), Security by Design & DevSecOps, Regulated Sectors (Nuclear, Aviation, Banking), Technical Co-Founder (Startup), Client Advisory & Presales

EDUCATION

Master of Science in Engineering (M.Sc.) — Telecommunications, Services & Uses — INSA Lyon (Top French Grande École)

2013 - 2018

Engineering curriculum covering computer science, IP networks, distributed systems, telecommunications, and enterprise software architectures.

Lyon, France

French Baccalauréat in Science (S) — Mathematics Major — Lycée Simone Veil

2010 - 2013

Graduated with Highest Honors (Mention Très Bien).

Valbonne, France

LANGUAGES

French : Native • **English :** Full Professional / Fluent (Daily professional usage, international experience in Singapore) • **Spanish :** Elementary proficiency