Yating Chatiron

Tech Lead & Cloud Architect — Specialist in Critical & Resilient Platforms

Cloud Architecture & DevSecOps · Regulated environments (Healthcare HDS, ISO 27001) · FinTech · LogTech

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linkedin.com/in/yating-h-a9b1a221 · tesshsu.github.io · 17 years of experience · Freelance / Permanent

Professional Summary

Tech Lead and Cloud Architect with 17 years of experience, specialising in the design, industrialisation and security of highly available infrastructure. I cover the full platform lifecycle, from architecture scoping through to operational maintenance: AWS and GCP environments, Kubernetes orchestration, GitOps, CI/CD pipelines, observability and DevSecOps practices. With proven expertise in highly regulated sectors (HDS, ISO 27001), I combine advanced technical skills, team leadership and a strategic vision aligned with business goals.

Core Skills

Area	Skills
Cloud & Infrastructure	AWS (EC2, S3, RDS, IAM, VPC, CloudWatch) · GCP (GKE, Cloud Run, IAM) · Azure · VMware / hybrid infrastructure
Orchestration & IaC	Kubernetes · Helm · Docker · Terraform · Ansible
CI/CD & GitOps	GitHub Actions · GitLab CI/CD · ArgoCD · Harbor · Blue/Green & Canary deployments
Observability & SRE	Grafana · Prometheus · L1/L2/L3 alerting · SLI/SLO · incident management · post-mortems · on-call
Security & Compliance	DevSecOps · shift-left scanners (Trivy, Prisma Cloud) · Vault · IAM / OAuth 2.0 · HDS · ISO 27001 · penetration testing
Development & APIs	Go · Node.js / TypeScript · Python · PHP (Symfony, Laravel) · Bash — REST, GraphQL, WebSocket, microservices
Data & Messaging	PostgreSQL · MySQL · MongoDB · RabbitMQ

Area	Skills
Cross-functional	Technical leadership · mentoring · Agile/Scrum · product strategy & business modelling · LLM integration & FinOps

Professional Experience

Tech Lead & Cloud Architect — PANIEER SAS · Réunion Island (remote)

May 2026 – Present · Freelance | LogTech — Réunion Island's first smart-locker network

Designed and deployed the end-to-end architecture of a distributed B2B smart-locker network, covering cloud infrastructure, application integration and business modelling. Architecture showcased on panieer.re.

- **AWS Cloud Architecture** — Defined and deployed the target infrastructure (eu-west-1 region), designed for high availability and scalability of a multi-site network, from pilot to full-scale operation.
- **Industrialisation & CI/CD Pipelines** — Implemented continuous integration and delivery pipelines on GitHub Actions (build, automated testing, zero-downtime deployments), with secrets management and fine-grained environment control.
- **Partner API & Hardware Integrations** — Specified and developed a secure REST API (partner authentication, real-time webhooks, traceability and audit logs), providing e-commerce connectivity (Shopify, Magento) and locker control via the LinQu API (LCM).
- **Automated B2B Billing** — Integrated usage-based billing with recurring SEPA payments via Stripe, including pricing-grid modelling and automation of financial flows.
- **Business Portals** — Designed the architecture of the partner portal (bookings, real-time metrics, SMS/email notifications) and the courier interface for inter-site transfers.
- **Product & Business Strategy** — Developed the pricing strategy, built ROI simulators for partners, carried out load / G-code studies and wrote the engineering technical dossier presented to the executive board and investors.

Environment: AWS · GitHub Actions · REST API & Webhooks · Stripe (SEPA B2B) · LinQu LCM · Node.js/TypeScript · PostgreSQL · microservices

Tech Lead DevOps — BIOGROUP · France

October 2025 – August 2026 · Freelance | Healthcare — Network of 28+ medical testing laboratories

Technical leadership and DevOps transformation of a critical multi-application healthcare platform (HDS-certified hosting, 99.95% SLA).

- **Technical Leadership** — Aligned development, infrastructure and operations teams. Made architecture decisions (GitOps, deployment strategies, centralised secrets management), wrote technical standards and led sprint reviews.

- **CI/CD & GitOps Industrialisation** — Modernised the delivery chain with a GitHub Actions / Helm / ArgoCD / Vault / Harbor stack, significantly reducing lead time to production and operational errors. Integrated DevSecOps tooling (Prisma Cloud, Trivy) for automated vulnerability scanning.
- **Observability & Resilience** — Migrated legacy monitoring to a cloud-native solution (Grafana, Prometheus) with tiered L1/L2/L3 alerting covering 28+ sites. Implemented Blue/Green deployments with automated rollbacks.
- **Complex Incident Resolution** — In-depth analysis and resolution of RabbitMQ deadlocks in a distributed architecture; redesigned the Go connector with an idempotent replay mechanism and business reconciliation across ~1M transactions, safeguarding data integrity.
- **Performance Optimisation** — Redesigned data-migration processes using Kubernetes Jobs (processing time cut from several hours to under 10 minutes); optimised scheduled jobs across 5 microservices (from 8h to 1h) with real-time metric tracking.
- **Mentoring & Best Practices** — Established development standards, led code reviews and upskilled the team on DevOps and GitOps practices.

Environment: Kubernetes · Helm · ArgoCD · GitHub Actions · Vault · Harbor · Grafana · RabbitMQ · Go · Python · TypeScript/Next.js · VMware · HDS · Prisma Cloud

Tech Lead & DevOps Engineer — BUDHAPP

September 2024 – March 2025 · Freelance | FinTech / DeFi — Cloud financial platform

- **GCP Cloud Architecture** — Designed and deployed the containerised architecture on Google Kubernetes Engine (GKE), wrote the technical architecture documents (TAD) and governed infrastructure decisions.
- **Infrastructure as Code & CI/CD** — Fully automated infrastructure provisioning with Terraform and built GitLab CI pipelines for application deployment on GKE.
- **Observability** — Set up centralised Grafana dashboards and advanced alerting rules for infrastructure and application monitoring.
- **LLM Integration & FinOps** — Automated generation workflows via the Claude and OpenAI APIs; ran a multi-cloud comparative study (AWS, Azure, GCP) and implemented inference cost optimisations (dynamic per-task routing, prompt caching, batch processing, output-token control).

Environment: GCP · GKE · Terraform · Docker · GitLab CI/CD · Go · PostgreSQL · Grafana

R&D DevOps Engineer / Technical Lead — GROUPE ITEKCOM

May 2023 – May 2024 | E-health — HDS / ISO 27001 certified platforms

- **Technical Leadership** — Coordinated and supported a team of 6 junior developers: organised code reviews, spread DevOps practices and resolved complex defects.
- **CI/CD & Regulatory Compliance** — Deployed GitLab CI/CD pipelines and Docker containerisation on AWS EC2 in strict compliance with HDS and ISO 27001 security standards.
- **Secure Infrastructure & Monitoring** — Administered HDS-certified healthcare environments on AWS, set up Grafana metrics and improved high availability.

Environment: AWS EC2 · GitLab CI/CD · Docker · Linux · Bash · Grafana · PHP/Symfony

Senior Full Stack & DevOps Engineer — LIVEMED'S

June 2022 – March 2023 | HealthTech — Medical delivery

- **Backend Modernisation & Real-Time** — Rebuilt the backend in TypeScript and developed WebSocket microservices for real-time flows; wrote the architecture specifications.
- **Cost Optimisation & CI/CD** — Cut Google Maps API usage by 25% through query optimisation; implemented CI/CD pipelines on GitHub Actions.
- **Mentoring** — Coached work-study students on Clean Architecture principles, microservice decomposition and continuous integration.

Environment: Node.js · MongoDB · AWS S3 · Angular · Firebase · Docker · GitHub Actions

Backend Engineer — BIG BOSS NICE · Institutional clients

July 2021 – June 2022 | E-commerce platforms & business APIs (Corsica Chamber of Commerce, Synlab)

- **E-commerce Development & API Performance** — Built a Laravel/GraphQL platform that cut response times by 35%; made REST vs GraphQL API architecture trade-offs.
- **Business APIs & Healthcare Systems** — Developed RESTful APIs for a recruitment platform; automated and hardened data flows for Synlab's laboratory information system.

Environment: PHP/Laravel · Node.js · MySQL · GraphQL · Docker

Earlier Career

Period	Role & highlights
2019 – 2022	**Full Stack Developer — Freelance (Vacha Design)** · 6 e-commerce platforms (+15% conversion), Laravel/Ionic mobile app, SaaS deployments on AWS
2017 – 2019	**Full Stack IT Developer — Florihana** · E-commerce rebuild (+30% conversion), SAP API & payment integration, Linux server administration
2015 – 2017	**Backend Developer — Digital River (Taiwan)** · Payment platforms for Bethesda, HTC, Adobe — load times cut by 64%, card-entry errors cut by 80%
2015	**Front-End Lead — TutorABC (Taiwan)** · High-traffic SaaS e-learning platform, +25% performance, mentoring and coding standards
2012 – 2015	**Front-End Developer — Yahoo Tech · Full Stack Developer — Academia Sinica (Taiwan)** · Mobile

Period	Role & highlights
	apps, molecular visualisations for scientific journals

Certifications

Year	Certification
2026	KCSA — Kubernetes and Cloud Native Security Associate (Linux Foundation · LF-jyo13vqd3d · valid until 2029)
2025	AWS Certified Cloud Practitioner (CLF-C02) · RS6092 Cybersecurity Penetration Testing · ISC2 Cybersecurity
2025	Microsoft Certified: Azure DevOps Engineer Expert (AZ-400)
In progress	AWS Solutions Architect Associate (SAA-C03)

Education & Languages

Education: Harvard CS50x — Computer Science (2012) · EPFL — Java Programming (2013) · Master's in Graphic Design (2004)

Languages: Traditional Chinese (Taiwan) — native · French — fluent · English — professional · Japanese — fluent (JLPT N1)

Community & Engagement

- **President — Taiwan Tech France** (French non-profit association, Loi 1901) · Network of Taiwanese tech professionals in France
- **Technical author** — Trilingual publications (French, English, Traditional Chinese) on tesshsu.github.io
- **PHPConf Taiwan 2016** — Organiser and speaker