

Hermann Kao

Fullstack JavaScript / TypeScript developer with a DevOps focus

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SUMMARY

I have been building web and mobile apps in TypeScript since 2020, and I also take care of what runs underneath: CI/CD, Kubernetes, AWS and monitoring. I have often been the only engineer on a product, covering the backend, the mobile app and the infrastructure. Since 2025 I have been wiring AI agents into delivery pipelines, from the ticket to a tested pull request.

PROFESSIONAL EXPERIENCE

Application integrator and DevOps engineer

Since Aug 2026

B2B equipment financing company (financial group) · Freelance (umbrella company) · Saint-Étienne

Part of the IT department's integration team, supporting the replacement of an AS400 system with a custom ERP built by an external vendor.

- Run the API manager and the connections to external services.
- Support the AS400 to ERP migration on the integration side.

Fullstack developer

Jul 2025 – Sep 2026

Versusmind, IT services company (Nancy) · Freelance, then umbrella company · Remote

- Rebuilt an international telecom equipment maker's website, moving from Sitecore to Next.js and Payload CMS.
- Maintenance of a Sitecore XP 10 / SXA platform for a national construction trade federation.
- WordPress and PrestaShop maintenance for a glazing e-retailer, including server administration (Debian, Cloudflare Tunnels, SSH hardening).
- Set up automated CI/CD deployment for a Flutter application.
- Contributed to an internal AI agent orchestration project.

Mobile developer, then fullstack developer, then software architect

Since Apr 2025

The After Cancer, health support app (Portugal) · Freelance · Remote

Hired for the mobile app, I later took over the backend and the infrastructure. I am now the product's only engineer: mobile, backend, back office, landing page, infrastructure and data.

- React Native (Expo) app with OneSignal, CometChat, Google Calendar and an integration with Healthie, a health data provider.
- AWS architecture (EC2, IAM, logging) with an API Gateway in front of external providers (CometChat, Stripe, OneSignal, Healthie).
- Notion to GitHub pipeline driven by Claude Code. An agent reads the ticket, asks its questions in Notion and opens a pull request with tests. A human still approves every merge.
- Ephemeral review environment created on AWS for each pull request, removed after 3 days.

Fullstack and DevOps developer

Aug 2021 – Nov 2025

Nobo, home cleaning service (Palladium group) · Work-study, then freelance · Boulogne-Billancourt

- Moved deployments to Argo CD on GKE and managed Google Cloud and OVH servers.
- Migrated two React Native apps from an Expo 52 monorepo to two independent Expo 57 apps with a hexagonal architecture.
- Offline SQLite outbox so that service validation, which triggers billing, survives poor connectivity.

Fullstack and DevOps intern

Apr 2020 – Sep 2020

Nobo (Palladium group) · Internship · Boulogne-Billancourt

- Set up automated, tested deployments with Bitbucket and Jenkins.

SKILLS

Front-end and mobile: TypeScript, React, Next.js, React Native, Expo, Flutter, SwiftUI

Back-end: Node.js, PHP, Python, .NET, REST, RabbitMQ, Pub/Sub, PostgreSQL, MySQL

CMS and e-commerce: Sitecore XP / SXA, Payload CMS, WordPress, PrestaShop

DevOps and cloud: Docker, Kubernetes (GKE), Argo CD, GitHub Actions, GitLab CI, Jenkins, AWS, Google Cloud, OVH, Cloudflare

Systems and monitoring: Linux (Debian), Bash, ELK, Loki / Grafana, Sentry, CloudWatch

Applied AI: Claude Code, AI agents, MCP, Ollama, LLM orchestration

PERSONAL PROJECTS

career-hub: LLM-generated targeted resumes, rendered to PDF with Typst, with semantic search on pgvector.

Agent orchestration kanban: Tauri desktop app to run several Claude Code sessions from a kanban board.

Éclore: iOS app that helps people quit smoking and cannabis, designed to never shame the user.

EDUCATION

Master of Science, Software architect, application developer	2024
ETNA, Paris	
Bachelor's degree, Web and mobile project manager	2022
ETNA, Paris	

LANGUAGES

French: fluent | English: professional, TOEIC 925/990

ADDITIONAL TRAINING

- McKinsey Forward (online program)