Thomas Sihapanya

SENIOR ENGINEER · BACKEND · DATA · AI · LYON, FRANCE + REMOTE

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PROFILE

Developer since 2010, mostly in PHP and Symfony. Backend lead, CTO, then senior engineer, I now work as much on the backend as on the data side of a platform with a million users. I build LLMs into products running in production, publish open source tools and have mentored developers since 2018.

SKILLS

Backend	PHP · Symfony · Laravel · REST APIs · DDD · hexagonal architecture · PostgreSQL · MySQL
Data	Python · SQL · ETL · data quality · Metabase · GA4 / BigQuery · mydumper
AI	LLM integration · n8n · MCP · Claude Code · Ollama
Infra	Docker · Terraform · Nginx · Linux · CI/CD · Keycloak · Grafana · Prometheus · Loki · Sentry
Front & mobile	TypeScript · Next.js · Flutter · Dart · React Native

EXPERIENCE

2025 – present

Hozana — Senior Software Development Engineer

- Owner of the data pipeline: anonymised dumps with mydumper, idempotent Python ETL jobs and incremental recomputation.
- Data quality checks on priority jobs, pipeline health dashboards in Metabase, alerting in Sentry.
- Performance and scalability work on the backend.

2023 – 2025

HomeServe — Lead Backend Engineer

- Designed the APIs behind the professionals' mobile app.
- Data workflows and real-time communication with field devices.

2023

Purconseil — Senior Software Development Engineer

- Progressive migration of a legacy codebase towards a DDD architecture.
- Trained the team along the way rather than handing over a finished rewrite.

2022

Yousign — Senior Software Development Engineer

- Backend development on a legally binding electronic signature platform.
- Work on observability and system resilience.

2020

Ubitransport — Lead Backend Developer

- R&D on a microservices architecture, with Keycloak and a reverse proxy layer.
- PHP lead in a product team.

2019

Sherpaa — CTO

- Responsible for every technical decision, backend and frontend.
- Project management and development organisation.

2017

Lili Smart — Full-stack Developer

- Full-stack development on a connected care platform linked to IoT hardware.

2017

French Army — Volunteer NCO

- Military elementary certificate: leading a group and deciding quickly on very little information.

2014

Makealink Software Developer

- Online parcel shipping comparison platform, backed by an aggregator of carrier APIs.

2010

Freelance Developer

- First client work in web and mobile, while still studying.

MENTORING & TEACHING

One-on-one mentoring of developers since 2018, including with OpenClassrooms: code review, architecture, career guidance. Before that, classroom teaching at WebForce3 and Human Booster.

OPEN SOURCE

mydumper-lint · Author. Linter and fixer for mydumper/myloader configuration files, in Go, with a language server, a VS Code extension and a WebAssembly playground.
`github.com/tomsihap/mydumper-lint`

Nginx Proxy Manager · PR #5358: grouping hosts into folders.
`github.com/NginxProxyManager/nginx-proxy-manager`

mydumper · PR #2359 merged: fixed the preprocessor that made valid configuration files unreadable. Issue #2361: --strict-config option.
`github.com/mydumper/mydumper`

SIDE PROJECTS

Codex Cards · Mobile collectible card game (Flutter, Firebase), draws and inventory server-side.

Homelab · About forty self-hosted Docker containers: local LLM, monitoring, media, documents, DNS.

LectioClub · Online book clubs split by chapter (Next.js, TypeScript, PostgreSQL).

FuelGauge · Chrome extension that tracks AI subscription usage and warns before the quota runs out.

EDUCATION

Sorbonne Université	Engineering sciences
Université Lumière Lyon 2	Economics
ENSAE Paris	Data Analyst
Stanford University (Coursera)	Machine Learning

CERTIFICATIONS & AWARDS

PHP 7 certification · SecNumacadémie (ANSSI) · Startup Weekend Lyon 2011 winner