

William JOLIVET

Fullstack Software Engineer & DevOps

Vice President, Taker Junior Enterprise | Epitech Tek3 Student

 Lyon, France
 +33 6 38 12 94 12

 william.jolivet@epitech.eu
 [in/william-jolivet](https://github.com/WilliamJlvt)

 github.com/WilliamJlvt
 williamjlvt.github.io



Professional Summary

Fullstack software engineer & DevOps (Go/Gin, NestJS, gRPC). SaaS/AI deliveries (RAG, audio) on **AWS (Amazon Web Services)** + Docker; strong **CI/CD (Continuous Integration / Continuous Deployment)** culture. Tech lead, scoping, mentoring; remote/hybrid consulting missions.

PROFESSIONAL EXPERIENCE

Software Development Engineer & DevOps (Part-time Internship) *Hand-e (AI Consulting & Digital Transformation)*

Lyon / Hybrid
08/2025 – Present

- **Turnkey AI deployment platform:** App to launch AI software (chatbots, voice) in a few clicks, stack **NestJS, PostgreSQL, Prisma, Python, Nuxt**.
- **Packaging and orchestration:** App templates, database/service provisioning, Python scripts for AI workers.
- **CI/CD & DX:** GitHub Actions pipelines, lint/test, Docker images optimized for fast client deployments.

DevOps Engineer (Internship) *Hand-e (AI Consulting & Digital Transformation)*

Lyon / Hybrid
07/2024 – 12/2024

- **"Hostasphere" SaaS architecture:** Multi-tenant LLM observability platform (Go/Gin + MongoDB) with gRPC/Protobuf ingestion pipeline and non-blocking Python SDK.
- **Reliability & operations:** GitHub Actions CI/CD, multi-stage Docker images, Nginx reverse proxy, centralized logs.
- **Product AI:** Internal RAG chatbot via **Litellm** for the client knowledge base.

Vice President *Taker Junior Enterprise (Epitech Junior Enterprise)* Vice President (since Jul. 2025) · Study Follow-up Lead (previous)

Le Kremlin-Bicêtre / Lyon
03/2024 – Present

- **Strategic direction:** Led a ~240k€ revenue organization, CNJE **"Best Hope 2024"** laureate; optimized offers and margin.
- **Management:** Supervised technical teams with weekly rituals and skill-up plans.
- **Tech lead:** Rescue of high-risk studies (In Astra): architecture scoping, QA, and client deliverables.

Occasional Lecturer / Instructor *EPITECH* Intensive mission (70h/2 weeks) on the Lyon campus

Lyon
01/2026

- **ISEG Code Camp bootcamp:** Delivered an intro coding module for first-year students (algo basics + web).
- **Digital pedagogy:** Designed e-learning/video materials and assessment topics for the intranet.
- **Assessment & juries:** Grading, evaluations, participation in academic councils.

SELECTED PROJECTS

AI Callbot "In Astra" (CNE ALTEN 2025 Finalist) · *Python, LiveKit, RAG, WebSockets*
Finalist for Best Engineering Study Award. End-to-end architecture of a sovereign voice infrastructure to avoid costly SaaS solutions.

- **Latency <1s:** Real-time pipeline orchestration (STT Whisper → LLM RAG → TTS ElevenLabs) on **self-hosted LiveKit**.
- **Economic impact:** 3x infrastructure cost reduction (0.12\$/min → 0.04\$/min). Token optimization and removal of intermediaries.
- **Intelligence & sovereignty:** Dynamic RAG on vector DB, real-time action triggers (webhooks), and full data ownership.

Glados (TopineurInc) · *Haskell, VM, Compiler*
Lisp engine → bytecode (94% Haskell). Full pipeline: parsing, macros, desugaring, **closure conversion**, ANF, bytecode generation, and **TCO**.

- **Hindley-Milner type inference:** Unification + occurs check, principal typing ready for specialization.
- **High-performance VM:** Constant pool/labels, tail-call detection, hot-path optimization (GHC profiling, typed opcodes to reduce boxing, strict State).
- **Quality & automation:** Property-based tests (QuickCheck) covering the full pipeline, Python/Makefile CI/CD for reproducible builds.

Survivor-Tek3 (Incubator Platform) · *Next.js 15, NestJS, PostgreSQL*
Fullstack management platform for incubator: modular architecture, admin dashboard, and real-time messaging (WebSockets).

OpenHosta (Open Source Library) · *Python, OOP, Design Patterns*
Major refactor of an LLM integration library: object-oriented architecture, decoupled pipelines, and improved extensibility.

SKILLS

 **Languages**
Go (Golang) **Haskell** **Python**
C **C++** **TypeScript** **Java**
SQL **Bash**
 **Backend & Data**
Gin **NestJS**
gRPC **Protobuf**
MongoDB **PostgreSQL**
 **DevOps & Tools**
Docker **LiveKit**
GitHub Actions **CI/CD**
AWS **Nginx** **Linux**
 **Frontend**
React **Next.js 15**
Tailwind CSS
 **AI & Engineering**
RAG **STT/TTS**
Real-time audio **Compilers**
Hindley-Milner **ANF/Closure**
Bytecode VM

EDUCATION

Epitech Technology
Information Technology Expert
Class of 2028 (currently Tek3)
Project-based learning.

Taker Academy
Fullstack Training
2024

ECS Sallanches High School
General Baccalaureate
2023
Specialties: CS, Math.

CERTIFICATIONS

The Mantu Manager Program
Business Acquisition
Nov. 2025

CNE25 Finalist (ALTEN)
Best Engineering Study
Apr. 2025

PERFORMANCE

Kattis (Algorithms)
Rank #8 in Auvergne-R.-Alpes.

Languages
French: Native
English: B2+ (Technical)