



LALASON Annaël

AI Systems Architect · Architecte Systèmes & IA

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Location : Antananarivo, Madagascar (GMT+3) · remote work on hours spanning Canada to Asia (GMT-8 to GMT+9)

Profile

AI systems architect. I design and ship intelligent systems end to end: AI agents and multi-agent architectures, business process automation, structured web applications. 15+ clients supported, 25+ projects delivered and 2,000+ automations running in e-commerce, healthcare, real estate and SaaS. Up to €10,000 gained through advanced process structuring, and 40 hours reclaimed on average every month. Currently a Tech Lead, equally at home in technical governance, architecture design and code.

Before automating, I understand. Before building, I structure.

+15 clients supported **+25** projects delivered **+2,000** automations in production **40 h** reclaimed on average every month **up to €10,000** gained through process structuring

Areas of expertise

AI systems architecture : Agents and multi-agent systems, RAG and sourced memory where every fact stays tied to its evidence, human guardrails on sensitive writes, production supervision.

Automation & orchestration : Process mapping before any code, n8n and Make workflows, connecting the existing business tools rather than replacing them.

Web product engineering : Next.js and React applications delivered end to end: structured APIs, PostgreSQL, real-time exchanges, GDPR and health-data hosting constraints.

Technical governance : Requirement framing, architecture and code reviews, team coaching and mentoring, documentation and applied technology watch.

Technical skills

Applied AI & LLMs : LLM Engineering · RAG · Fine-tuning / QLoRA · Prompt engineering · AI agents · Multi-agent systems · LangChain · CrewAI · Hugging Face · OpenAI / GPT-4 · NLP · Machine Learning · Deep Learning · Computer Vision · MLOps

Automation & orchestration : n8n · Make · Webhooks & APIs · Apify · Talend · ETL · Google Workspace · Monday · Sellfy · Pennylane · Zendesk · Shopify · Meta Ads · GA4 · AI-augmented monitoring

Architecture & backend : Software architecture · Systems design · Clean Code · REST APIs · Python · FastAPI · Node.js-Express.js · Bun · Java · UML · MERISE

Frontend & product : Next.js · React · TypeScript · JavaScript · HTML / CSS / Sass · Tailwind CSS · SWR · Socket.io · UX/UI Design · Figma · Adobe XD · Design systems

Data & infrastructure : PostgreSQL · MySQL · MongoDB · Redis · Prisma · SQL · Pandas · Data warehouse · Vercel · HDS health hosting · GDPR · Git / GitHub / GitLab · CI/CD

Leadership & methods : Tech Lead · Technical governance · Agile Scrum · Project management · Coaching & mentoring · Code review · Framing & documentation · Technology watch

Professional experience

Founder & AI Architect

Flow AI Studio · Freelance · Since 2024 · Remote

Designing custom AI agents and automation systems for teams that want to scale without hiring.

- Multi-agent system architecture: a central orchestrator, business-specialised agents, and a sourced, versioned memory where every fact stays tied to its evidence.
- "Read first" design principle: every sensitive external write goes through explicit human validation.
- 2,000+ n8n and Make workflows shipped to production across e-commerce, healthcare, real estate and SaaS.

- Up to €10,000 gained through advanced process structuring, and 40 hours reclaimed on average every month by client teams.
- 15+ clients supported, from process mapping through to production rollout and monitoring.

Stack : Python · TypeScript · n8n · Make · LangChain · CrewAI · OpenAI GPT-4 · RAG · PostgreSQL · Next.js

Tech Lead & Automation Architect

Mon Ambassadeur · Full-time · Since August 2024 · Madagascar · hybrid

Technical governance, software architecture design and orchestration of intelligent workflows.

- Technical supervision of the team: architecture and code reviews, developer coaching and mentoring.
- Design and orchestration of automation workflows with n8n, Make and autonomous AI agents.
- Integration of recruiting and prospecting platforms (LinkedIn, Upwork, Apify, Talend) into automated pipelines.
- Project steering, requirement framing and technology watch applied to AI products.

Stack : TypeScript · Next.js · Python · n8n · Make · APIs & webhooks · PostgreSQL

Frontend Developer & UX/UI Designer

AccèsBanque Madagascar · Development Hub · January 2024 to February 2025 · Fianarantsoa, Madagascar

Structuring internet and intranet interfaces, from wireframe to shipped component.

- Converting mockups and design systems into reusable React components.
- Wireframing and prototyping web and mobile interfaces in Figma, Adobe XD and Sketch.
- Improving user experience and visual consistency across internal applications.

Stack : ReactJS · JavaScript · HTML / CSS / Sass · Figma · Adobe XD · Sketch

Web Developer (independent engagement)

SPAT, Toamasina Autonomous Port Authority · Freelance · June 2022 to December 2023 · Toamasina, Madagascar · hybrid

Design and architecture of a company-wide leave management system.

- Data and application architecture modelling (MERISE, UML) ahead of any development.
- Full-stack development: ReactJS on the client, Node.js and Express on the server, MySQL for storage.
- Analytics dashboard to track requests and remaining leave balances.

Stack : ReactJS · Node.js · Express.js · MySQL · MERISE · UML · Git

Systems Support & Maintenance

PANDA COMPANY · Freelance · 2022 · Madagascar

IT support and user enablement.

- Diagnosing and resolving hardware and software incidents.
- Training and supporting users on their IT tools.
- Maintaining the technical infrastructure and workstations.

Selected work

Minia, a multi-agent AI Chief of Staff

Multi-company executive · holding

Orchestrator agent reachable on Telegram, WhatsApp and Discord, backed by specialised AI staff and a sourced memory. Connectors for Gmail, Calendar, Drive, Monday, Sellsy, Fireflies and Pennylane.

Outcome : **40 h saved on average every month · 21 active automations · 6+ specialised agents**

TalentFindr, AI sourcing platform

Product · recruiting & sourcing

Search across 800+ million profiles, relevance scoring, verified contact details and multichannel sequences on LinkedIn, email and WhatsApp. Copilot mode, or autopilot with KAIA, the agent that sources, contacts and follows up on its own. GDPR compliant, hosted in the EU.

Outcome : **1,500+ recruiters, agencies and consultancies across 10+ countries**

Télavie, telemedicine platform

Product · healthcare

A single platform covering teleconsultation and practice management, with three coherent spaces: patient, practitioner, administrator. Real-time exchanges, hosted on an HDS-certified server.

Outcome : **3 unified roles** · **Next.js, Prisma, PostgreSQL, SWR, Socket** · **HDS hosting**

2,000+ automations deployed

Cross-industry · e-commerce, healthcare, real estate, SaaS

n8n and Make workflows shipped to production: connecting existing tools rather than replacing them, with the same mechanics of mapping first, then going live.

Outcome : **4 industries covered** · **2 orchestration platforms**

Education

Master's in Data Science & Artificial Intelligence

EMIT, University of Fianarantsoa · Fianarantsoa, Madagascar

Machine learning, NLP, conversational AI, MLOps.

Bachelor's in Internet and Intranet Application Development

EMIT, University of Fianarantsoa · Fianarantsoa, Madagascar

Algorithms, problem solving, programming.

Bachelor's in Management, Finance and Accounting

EMEDIA · Antananarivo, Madagascar

Leadership, project management, team management, resource management, HR and profile hunting.

The business half of the job: reading a P&L, framing a budget, structuring a team and hiring the right people. It is why I price a system in hours reclaimed rather than in lines of code.

Certifications

AI Engineer Core Track: LLM Engineering, RAG, QLoRA, Agents

Udemy · Feb. 2026

The Ultimate React Course 2024: React, Next.js, Redux & More

Udemy · Feb. 2025

AI Automation with n8n & LangChain (no-code)

Udemy · Jan. 2025

Python 3 Certification

CodinGame · May 2023

Languages

Malagasy · Native language

French · Bilingual, daily working language

English · Professional, in writing and across technical documentation

Ways of working

Leadership · Explaining technical work clearly · Analytical thinking · Autonomy · Mentoring · Technical curiosity · Distributed teamwork · STEM initiatives