

# Aritz Jaber Lopes

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## Professional Profile

Software developer and **co-founder of TenBeltz and Biiak**, specialized in **Python backend development** and **applied artificial intelligence**.

I combine system design, development, and technical leadership to build solutions that automate processes and improve operational efficiency.


I work mainly with **FastAPI, LangChain, Ollama, and Langfuse**, focused on creating scalable, maintainable systems with real-world impact.

Currently collaborating with **Irontec** as an AI researcher, developing intelligent solutions for business communication systems.

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## Professional Experience

### AI Researcher - Irontec


 *Jun. 2025 - Present | Bilbao*

Research and development of AI projects applied to business solutions.

Using **FastAPI, LangChain, LLMs, and Ollama** to build advanced prototypes.

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### Co-founder - TenBeltz

 *Aug. 2024 - Present*

Technical leadership and backend development with **Python** and **FastAPI**.

Managing client projects, deploying on self-hosted servers, and integrating automation and AI solutions.

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### R&D Intern - Hardis Group

 *Jun. 2024 - Jun. 2025 | Bilbao*

Developed UI components and optimized internal systems using **Spring + TypeScript**.

Created a **Python REST API** to integrate AI into enterprise systems.

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## Freelance Developer - Self-employed

 Feb. 2023 - Aug. 2024 | Bilbao


Developed automation tools, desktop apps, and web scraping solutions.

Built custom projects with **Django**, **Python**, and **Selenium** for international clients.


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## Education

**42 Paris** — *Software Engineering*




 Sep. 2024 - Jun. 2025

**CIFP Txurdinaga LHII** — *Higher Technician in Multiplatform Application Development (DAM)*

 Sep. 2023 - May. 2025

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## Awards & Recognition

-  **1st Prize Provider 2025 (BIC Bizkaia)** — Project *SustainaAI*
  -  Selected for **Tknika Entrepreneurship Immersion Program**
  -  Participant in **Urrats Bat** and **Dema** startup competitions
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## Technical Skills

**Languages:** Python, Java, Kotlin, C, TypeScript, JavaScript, SQL

**Frameworks / Libraries:** FastAPI, Django, LangChain, scikit-learn, React, React Native, Spring, Tailwind, Vue, Astro

**AI / Data Science:** LLMs, Ollama, Groq, Langfuse, OCR, automation, MinIO

**DevOps / Systems:** Linux, Docker, Nginx, Git, Google Cloud, AWS, Firebase, DevContainers

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## Languages

- **Spanish:** Native
- **Basque (Euskera):** Advanced
- **English:** Intermediate