

# Yago Otero Mariño

Senior Python and AI Engineer

## Contact

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[github.com/iago84](https://github.com/iago84)

## Expertise

### AI & Data Science

Computer Vision, LLM Agents, Machine Learning, Pandas/NumPy, RAG Pipelines, TensorFlow/PyTorch

### Backend Engineering

Django/DRF, FastAPI, Microservices, PostgreSQL, Python (Expert), Redis/Celery

### DevOps & Cloud

AWS, CI/CD Pipelines, Docker, Kubernetes, Linux Administration, Nginx

### Trading & Finance

Algorithmic Trading, Backtesting, Binance API, Risk Management Systems, Technical Analysis

### Frontend & Desktop

HTML5/CSS3, JavaScript/TypeScript, PyQt6, React/Vue.js

## Education

### BSc in Computer Science

*Universidad de Vigo*

2002 - 2014

## Profile

Senior Software Engineer and Technical Founder with over 12 years of experience architecting high-performance systems. Specialized in **Artificial Intelligence**, **Algorithmic Trading**, and **Enterprise Modernization**.

Proven track record of building autonomous agents, scalable microservices, and financial modeling tools that drive business value. Expert in bridging the gap between legacy infrastructure and modern cloud-native architectures.

## Experience

Nov 2024 - Nov 2025  
Spain

### Legacy Systems Engineer (ERP) @ AIG (Asesoría Informática Gallega)

Maintenance and evolution of mission-critical accounting ERPs.  
- Visual FoxPro systems: stability, performance, and safe delivery.  
- Early modernization strategies connecting legacy data to modern interfaces.

Jan 2023 - Dec 2023  
Spain

### Backend Engineer @ Portales Verticales

Development and maintenance of vertical web platforms.  
- Feature delivery with performance and maintainability focus.  
- Integration work and iterative improvement of existing systems.

Jan 2022 - Present  
Vigo, Spain (Remote)

### Founder & Lead AI Engineer @ NAIRA STUDIO LTD

Leading a high-end engineering studio delivering AI, fintech, and modernization solutions.  
- Designed autonomous extraction systems (Ultrascrapper) with high-concurrency pipelines.  
- Built algorithmic trading infrastructure with real-time risk management.  
- Implemented modernization bridges for legacy ERPs and fiscal compliance tooling.

Jan 2018 - Dec 2024  
Remote (UK/Spain)

### Senior Backend Engineer @ Provectos LTD

Backend engineering for fintech platforms.  
- Optimized core endpoints and improved throughput.  
- CI/CD and testing discipline to increase stability.  
- Mentored developers and established review standards.

Jan 2018 - Dec 2018  
Spain

### Software Engineer @ Agrupación Galicia

Business software development and system support.  
- Reliability-first changes and operational continuity.  
- Data workflows and internal tooling improvements.

## Selected Projects

### ULTRASCRAPPER

Python, PyQt6, Playwright, AsyncIO, Pandas, SQLite

Enterprise-grade data extraction suite with autonomous category mapping and high-concurrency pipelines.

### BINANCE BOT

Python, Binance API, NumPy, Pandas, TA-Lib, Docker

Institutional-grade algorithmic trading system for crypto futures with real-time risk management.

### Django Skeleton

Python, Click, Jinja2, Django, Docker

Production-ready scaffolding tool for rapid deployment of scalable Django architectures.

### SOCCER\_AI\_MASTER

Python, Scikit-learn, XGBoost, Pandas, FastAPI

Predictive sports analytics platform leveraging machine learning for match outcome forecasting.