

# GUIDO VIGIANI

*ATS Optimized | Focus: Fullstack + AI-Driven Development ("AI First")*

**Personal Site:** [johngalt.ar](http://johngalt.ar) (Contact, LinkedIn, GitHub, and Portfolio)

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**Location:** Ituzaingó, Buenos Aires, Argentina

**Availability:** Open to discussion based on project/opportunity type.

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## PROFESSIONAL PROFILE

**Software Engineer (UNLaM)** with over 17 years of experience in software development and 10+ years in high-stakes financial and tech environments. Expert Fullstack profile with a current focus on **AI-Augmented Development:** consultancy in AI agents, prompt engineering for code generation, and complex pipelines using LLMs and generative APIs (Text, Image, Audio, Video). Proven track record in scalable architectures, micro-frontends, BFF patterns, technical leadership, and university-level teaching.

**Core Stack:** Node.js (NestJS, Fastify, Express), Next.js, React (Vite), Python (Async, PyTorch), n8n, Model Integration & Inference.

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## WORK EXPERIENCE

### TFM (Consultancy) | AI Development Consultant

11/2025 – Present

- **AI Strategy:** Leading prompt engineering initiatives and designing agentic workflows for automated code review and optimization.
- **Tech Stack:** Node.js (NestJS, Fastify), Next.js, React, Prisma.
- **Pipelines:** Architecting Python-based (Pandas, NumPy) batch processing and automation flows integrated with cutting-edge AI APIs.
- **Reference:** Sergio Bonavento

### UNIVERSIDAD NACIONAL DE LA MATANZA (UNLaM) | Lecturer

10/2025 – Present

- Delivering advanced university courses on **Prompt Engineering** and AI implementation at the senior level.

## SANTANDER TECNOLOGÍA | Software Engineer

12/2020 – 05/2025

- **Core Migration:** Spearheaded the transformation of legacy Cobol interfaces to Node.js for the Investments Tribe.
- **AI Subject Matter Expert (SME):** Acted as the technical lead for AI initiatives within the investment banking sector.
- **Optimization:** Refactored undocumented PL/SQL queries, achieving a 100x increase in execution speed.
- **Integration:** Managed international financial messaging (SWIFT) and enterprise API Gateways.
- **Backend:** Developed robust services using NestJS and Express (TypeScript) with high-coverage Jest testing.
- **References:** Rodrigo Romano | Nicolas Salviulo

## ALBANY TECHNOLOGIES | Chief Technology Officer (CTO)

03/2019 – 11/2020

- **Leadership:** Built a startup engineering team from the ground up (~10 members), overseeing Backend, Frontend, and Systems Integration.
- **Architecture:** Designed scalable cloud and on-premise systems supporting 300+ clients across 8 countries.
- **Stack:** Node.js, React Native (Web/Mobile), and integration with SAP B1 (Pascal, HANA DB).

## G&L GROUP | Tech Leader / Project Leader

01/2018 – 03/2019

- **Management:** Directed 4 technical areas (24 people), managing resource allocation and reporting directly to the Board of Directors.
- **Methodologies:** Implemented SCRUM, JIRA, Jenkins (CI/CD), and Selenium-based automation.

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## ARTIFICIAL INTELLIGENCE (PRACTICE & PROJECTS)

Sustained Experience (~1 year) | Focus: Autonomous Agents & Prompt Engineering

- **Autonomous Agents:** Designed asynchronous agentic loops for continuous code monitoring and performance tuning.
- **Context Engineering:** Structured codebases and metadata wikis for optimized consumption by LLMs within AI-assisted IDEs.

- **AI Pipelines:** Developed modular Python frameworks (async/await) for high-fidelity multimedia content generation.
  - **Integrated Models:** Hands-on implementation of GPT-4, Claude, Stable Diffusion, SadTalker (PyTorch), ElevenLabs, and Runway ML.
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## TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Node.js, Python, PHP, Java, C/C++.
  - **AI / ML:** Prompt Engineering, Autonomous Agents, LLMs, PyTorch, n8n, Computer Vision.
  - **Backend:** NestJS, Fastify, Express, Microservices, SQL (PostgreSQL, Oracle, MySQL, HANA DB).
  - **Frontend:** React, React Native, Next.js, Angular, Tailwind CSS.
  - **DevOps:** Docker, OpenShift, Git, Jenkins (CI/CD).
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## EDUCATION & LANGUAGES

- **B.S. in Software Engineering:** Universidad Nacional de La Matanza (UNLaM).
- **Languages:** Spanish (Native), English (Intermediate - Technical and Business Fluency).