RÉSUMÉ

Nicolas Pagès

Data & AI transformation consultant · 20 years in industry, 15 in leadership

Twenty years between industry and software: chip testing, medical-device industrialisation, factory 4.0, then Machine Learning and AI agents. Today I design and deploy AI-augmented applications for SMEs, at NPIA Lab; and since AI needs a solid ERP to work on, I implement Odoo when it is missing.

Ajaccio, Corsica, remote anywhere npia-lab.com LinkedIn contact@npia-lab.com

French (native) · English (professional, 20 years in international teams)

Available for a framing, an assignment or a project, remote or on site

odoo Learning Partner

Experience

Twenty years, six companies, one thread: taking a technical idea into production.

Feb 2026 - today

President, Data & AI transformation consultant

NPIA Lab · Ajaccio

Consulting and engineering firm: strategic scoping, use-case prioritisation, design and production rollout of AI-augmented applications, team upskilling; in addition, Odoo implementation to give AI an ERP to rely on. Work with SME leaders (10 to 250 employees).

- Second string, in the service of automation: Odoo implementation (Learning Partner) with tooled needs gathering, configuration, data migration, training and version upgrades, then AI, forecasting and API modules plugged into the ERP.
- Electronic components distributor: sales-process diagnosis, decision layer on top of the ERP, part-analysis and equivalence engine, field module for sales reps. Phase 1 signed and being deployed.
- Beauty products distributor: product-repository overhaul, AI-assisted content enrichment and multi-channel publishing pipeline. Platform delivered, in continuous operation.
- Products: Analivia (qualitative interview analysis), NPIA-OS (business steering with an AI assistant), and an execution foundation for AI processing: event log, cost charged per step, recovery after incident, human approval of committing actions.
- Ongoing R&D project: Rosaventia Retail, an independent-retail ERP wired to the point of sale (stock, purchasing, valuation, e-commerce site, seller and customer apps), published by NPIA Lab.

Sep 2021 - Nov 2024

Chief Operating Officer, executive committee member

Telaqua · Marseille

Agritech: connected irrigation control. Technical and industrial leadership for connected equipment deployed on farms.

- Design of the factory 4.0 and industrialisation of connected equipment.
- Automation of functional tests and accessory configuration.
- Statistical analysis of production test data: detection of manufacturing drifts, identification of the least reliable components.
- Management of supply chain, logistics, inventory and production.
- Management of industrial R&D projects and suppliers.

Sep 2020 - Aug 2021

Deputy COO

Nexialist · La Ciotat

Medical-device consulting firm (regulatory affairs and quality).

- Managed a team of twenty expert consultants.
- Overhauled business steering: automated decision reporting (Power BI) tied to the ERP.
- Structured operational processes.

Jan 2016 - May 2022

Founder and principal consultant

Ariga Solutions · Gardanne

Consulting practice in industrialisation and process automation, from deep-tech startups to subsidiaries of international groups and public research labs. Part-time from September 2020.

- "Industry of the future" diagnostics for a metallurgy trade body: maturity assessment against a reference framework, prioritisation crossing stakes and accessibility, costed roadmap, debrief to the owner.
- Design of automated production lines with robotics and computer vision for deep-tech startups (agrivoltaics, service robotics, scientific cameras).
- Framing of data and AI use cases in industry: predictive maintenance on sensor data, RFID/NFC traceability tied to the ERP, digitisation of purchasing and production flows.
- Medical-device manufacturer, subsidiary of an industrial group: coaching of industrial teams over nearly three years.
- Industrial materials group: six months of R&D and industrialisation support on the design of a construction robot.
- Public astrophysics laboratory: one year supporting the formalisation and documentation of a patented sensor-curving process ahead of its transfer to industry; the technology led to a spin-off and a commercial curved sensor.
- RFID identification manufacturer: design, build and deployment of a tag reading and configuration robot on a four-axis arm.
- Outdoor equipment manufacturer: design and build of an automated machine producing thermo-folded enclosures.
- Hyperbaric exposure safety engineering: production line and CE marking.

Jun 2008 - Dec 2015

Head of Industrialisation, executive committee member

SuperSonic Imagine · Aix-en-Provence

Ultrasound imaging medical devices.

- Industrialisation of equipment, from R&D to series production.
- Statistical use of production data to steer quality and yield.
- Regulatory certifications and transfer of production abroad.

Nov 2004 - Jun 2008

Test and Product Engineer

Texas Instruments · Nice

Semiconductors.

- Development of component test protocols and design of experiments.
- Statistical analysis of production data (yield, drifts, correlations) for industrial decisions.

Skills

What I do, grouped by family.

IA appliquée

Agents IA (Claude, MCP)
RAG et recherche sémantique
Transcription et dictée (Whisper)
Classification, scoring, prévision
Pseudonymisation des données
Coût et évaluation des modèles

Développement

Python, FastAPI
Next.js, TypeScript
PostgreSQL
Tests unitaires, intégration, e2e
CI/CD, Docker, hébergement Europe

Intégrations métier

ERP, caisse, banque, compta
GoCardless, Pennylane, Qonto
E-mail, Telegram, signature
API REST, webhooks

Pilotage et industrialisation

Direction industrielle et opérations
Cadrage et priorisation des cas d'usage
Budgets R&D, CIR/CII
Qualité et réglementaire (dispositifs médicaux)
Usine 4.0, automatisation

Education

The foundation, and the 2026 update.

2025 - 2026

AI Engineer

OpenClassrooms

Professional certification RNCP level 7 (master's level), 804 supervised hours, twelve projects defended before a jury: machine learning, deep learning for text and images, MLOps and production deployment of an inference engine, distributed processing on the cloud, framing of an AI project presented to an executive committee.

See the syllabus

2001 - 2004

Engineering degree

Centrale Méditerranée (ENSPM), Marseille

Fundamental physics, optics, signal processing, computer science, microelectronics.

1999 - 2001

Two-year degree in Electrical Engineering and Industrial IT

IUT Nice Côte d'Azur

Electronics, automation, industrial computing.