

Quentin Dubois

AI ENGINEER — PROJECT MANAGER

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PROFILE

Only ~20% of AI projects reach production — that's where I operate.

I design and ship end-to-end AI systems (agents, RAG, fine-tuning, orchestration) at ITFacto. Starting solo on the Data & AI scope, I grew the team to 4 people while building the company's entire suite of AI applications, from ideation to production. Outside work: Hyrox, and a former semi-professional World of Warcraft player — the same demand for performance, discipline and continuous progress.

EXPERIENCE

Data & AI Project Manager · ITFacto

2023 — Present

First on a work-study contract, then full-time. Since joining, I have designed and built the company's entire suite of AI applications, self-taught, from scoping to production. Initially alone on the Data & AI scope, I supported its growth into a 4-person team — coordination, scoping and skills development.

- **Call transcription & summarization** — Automatic transcription and summarization of prospecting calls. 100% adoption across the company, with over 300 uses per month.
- **AI-assisted writing platform** — A Cursor-like editor for writing: generates copy and newsletters from client materials (PDFs parsed via OCR), the web or audio interviews, with agents that fact-check the content. A dedicated mode also generates call scripts from a client brief, via an LLM fine-tuned specifically for the task and continuously improved (collecting the edits users make to the generated content).
- **Autonomous monitoring system & newsletters** — Autonomous agents run daily monitoring on topics created on the fly and turn them into newsletters: trend charts, vector analysis of topics and vectorization of the collected content — including PDFs parsed via OCR — to write newsletters and articles.
- **Business automation agents** — Development of various agents integrated into existing applications to automate workflows and business tasks.
- **Company data enrichment** — Enrichment from reliable sources (e.g. actual revenue) via a Monte-Carlo tree search guided by an LLM evaluator, with OCR parsing of source PDF documents. Several million rows processed.
- **Account Intelligence** — Generates reports of several dozen pages analyzing a company against internal criteria (AI, SaaS...) to target and guide sales teams. Nearly 10 orders and around €50k in revenue within the first month of launch, from clients including a major data company.
- **Company data matching** — Matches a list of companies against the internal database using LLM arbiters, with matches enriched by web search. 80% precision on matches (false positives included).
- **AI use-case directory** — A repository of how-tos and use cases for AI and agents in business — about 2,300 cases referenced, sourced or not — with their associated benefits, queryable via RAG retrievers; source PDFs parsed via OCR.
- **Prospect database structuring** — Normalization, structuring and use of prospect databases of over a million rows.

Internship — Java Developer · Banque de France — Over-indebtedness department

2023

Java development for the over-indebtedness department, within an Agile team — my first immersion in a structured, iterative development environment.

PERSONAL PROJECTS

- **Chess-playing AI & LLMs** — A chess engine built from scratch, then experiments with chess-playing LLMs — search, evaluation and reasoning.
- **Blockchain from scratch** — A blockchain implemented entirely by hand to understand its mechanics: blocks, consensus, transactions.
- **Smart contracts & DeFi** — Solidity smart contract development and sandwich-attack (MEV) experiments to understand on-chain security.

- **Minecraft servers (Java plugins)** — Design and development of Minecraft servers via custom Java plugins.

EDUCATION

Engineering degree (MSc) — Artificial Intelligence major	2021 — 2024
CY Tech	
Preparatory classes for engineering schools (MPSI then PSI*)	2019 — 2021
Lycées Clemenceau & Franklin Roosevelt — Reims	
French scientific Baccalauréat (science track)	2019
Lycée François 1er — Vitry-le-François	

SKILLS

SKILLS	Python · Java · PyTorch · Transformers · GitHub · Hugging Face · LangGraph · Pinecone · pgvector · SQL · PostgreSQL · FastAPI · Vue.js · Quasar · Docker · Kamal · GCP · Claude Code · Prompt engineering
SOFT SKILLS	Autonomy · Self-taught · Driven · Curiosity · Rigor · Perseverance · Product sense · Needs analysis
LANGUAGES	French — native · English — TOEIC 800