

Emmanuel Rossi

AI Engineer · Automation & AI Agents

AI Agents · n8n / Make · Workflow Automation · API & ERP Integration | Freelance — 100% Remote

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SKILLS

Automation & No-Code: Make, n8n, Zapier, workflow automation, low-code platforms

AI & LLMs: Claude API, OpenAI/GPT API, custom AI agents, unstructured document data extraction (PDF, image, Word)

Integrations & Cloud: REST APIs, webhooks, ERP/CRM systems (Axonaut), Google Workspace & Google Apps Script, Google Cloud Platform (GCP), 3DEXPERIENCE platform administration

Data & Reporting: KPI dashboards, automated daily data pipelines, SQL databases

Programming: Python, SQL, Fortran 90, C++ (engineering coursework & projects)

Project & Process Management: Technical project management, team leadership (5 engineers), process documentation, cross-team coordination

WORK EXPERIENCE

AI Automation Engineer — Freelance

Biotika – Paris, France (Remote) | Aug 2026 – Present (part-time)

Designed and deployed 3 automation workflows connected to the Axonaut ERP for a B2B distribution company (lab products import-export).

- Automated quote generation (inbound email → product extraction → Axonaut API): processing time cut from 60 to 3 minutes per quote (20x faster)
- Built an automated package-insurance workflow: auto-generated insurance orders from invoices, Drive filing, ready-to-send emails
- Automated delivery-note generation via AI-based extraction from unstructured supplier documents (PDF, images, Word)
- Overall impact: ~50 hours/month saved, a 92% reduction in manual processing time across the 3 workflows

Solution Architect — Boeing Program

Dassault Systèmes – Vélizy-Villacoublay, France | Sep 2021 – Apr 2025 (3 yrs 7 months)

Led technical operations, automation and platform administration for Dassault Systèmes' enterprise platform deployed to Boeing (~500 users).

- Managed a team of 5 developers building custom tools for Boeing, including executive dashboards aggregating Boeing IT / Dassault R&D data
- Owned KPI and metrics tracking: a database refreshed automatically every day, feeding dashboards with always up-to-date metrics (~600 tickets tracked by status, phase, owner and rejection reason)
- Administered the 3DEXPERIENCE platform for ~500 Boeing users: role assignment, access rights and license monitoring to keep automated data feeds running
- Automated the release delivery process (2022x, 2023x, 2024x updates), streamlining a complex production cycle
- Produced "What's New" release documentation detailing new features by user role
- Improved the Boeing ↔ R&D ticketing process to reduce lost or unresolved tickets
- Led cross-team coordination and communication for the Boeing Digital Enterprise program
- Authored technical documentation and trained teams to drive operational autonomy

OTHER EXPERIENCE

Research Intern, Multi-Physics Simulation — Dassault Systèmes, Paris | Feb–Aug 2021: homogenization methods and multi-scale computation in corporate research.

Numerical Computing Tools Intern — Blast Solutions & Associés, Paris | Jul–Sep 2020: contributed to BlastFoam (open-source OpenFoam C++ library); numerical modeling of rapid dynamics and explosion simulation.

EDUCATION

MSc Engineering, Mathematics & Mechanics — ENSEIRB-MATMECA, Bordeaux, France | Sep 2018 – Jun 2021 (3 yrs.)
Specialization in Fluids and Energetics — numerical simulation & mathematical modeling

Preparatory Classes for Grandes Écoles (CPGE), Math-Physics (MP) — Lycée Claude Bernard, Paris | Sep 2015 – Jun 2018 (3 yrs.)

Two-year intensive program preparing for competitive engineering school entrance exams, focused on advanced mathematics and physics

CERTIFICATIONS

Solution Architect Certification — Dassault Systèmes

3DEXPERIENCE Champion — Dassault Systèmes

R&D Customer Strategic Partnerships Plan Manager — Dassault Systèmes