

Antonin Perrot-Audet

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Professional Profile

Delivery-oriented Air Transport Project Manager and Technical Leader with over a decade of international experience bridging innovation and operations. Proven track record managing multinational engineering teams and steering projects collaboratively until delivery. My deep technical expertise around ANSP operations, Aeronautical Data protocols, AI/ML, and Cloud IT only serves a stakeholder centric mindset I developed early in my career.

Professional Experience

Air Traffic Management (ATM) Innovation Project Manager **05/2025 - Present**
Skyguide (Innolab) | Geneva, Switzerland

- Direct a portfolio of innovation projects and Proof of Concepts, steering technical feasibility studies and bridging the gap between strategic R&D initiatives and operational ATM needs.
- Build active collaborations and synergies with key external stakeholders, including NATS, MUAC, and Austrocontrol, leveraging EIH and the ATC Automation Working Group.

Agrégation d'informatique Candidate (Study Sabbatical) | Annecy, France **01/2025 - 05/2025**

Senior Technical Lead (Fixed-Term Strategic Missions) **01/2023 - 12/2024**
Various Clients (France & Switzerland)

- Executed consecutive strategic software delivery, agile transformation, and team management contracts across international environments:
- NTN SNR (6 months): Managed a cross-functional team of 6 engineers across France and Tunisia, implementing Agile Scrum to accelerate feature release cycles.
- Flowbank Startup (6 months): Established shared software architectures across teams and providers in Switzerland, India, and Portugal, and rolled out a new billing service.
- Kaiko Startup (6 months): Optimized real-time trading data collection processes, improving overall data quality by 30%.

Technical Lead & Project Manager (ATC Systems) **04/2021 - 01/2023**

Contract : Golang Developer & Tech lead
Skysoft/Skyguide (Geneva, Switzerland) & CAAS (Singapore)

- Led a multinational team of 5 engineers in the design and implementation of a next-generation Cloud-based Radar HMI.
- Awarded the MOTAC (Singapore Minister's Innovation Award) highest distinction for the successful cross-border collaboration and technological delivery.
- Successfully managed the project, from clear scope definition to prototype delivery ensuring alignment across international stakeholders.
- Developed AI-driven tools for Air Traffic Control, to support ATCO decision making (Charlie).

- Drove the adoption of cloud technologies and (pragmatic) microservices architecture across Skyguide, Skysoft and CAAS. Advised on technical hiring and vendor integration.

Fullstack Software Engineer / *Netwo Startup / Paris, France (Full Remote)* **12/2020 - 03/2021**

Technical Lead & Project Manager **05/2018 - 08/2020**
ISI.nc / Noumea, New Caledonia

- Directed teams of 3-5 engineers in building scalable, Domain Driven Design (DDD) applications across various industries.
- Led agile projects, requirements elicitation sessions, and agile workflow setup and cultural transformation. Ensured delivery within agreed scopes, budget and timelines.

Software Engineer (AI Assistant Development) / *Orange / Valbonne, France* **04/2016 - 04/2018**

Engineering Manager (International Networks) **02/2013 - 05/2016**
Orange / Paris & Lannion, France; Bratislava, Slovakia

- Managed an international enterprise deployment team of 18 engineers distributed across three European locations.
- Oversaw the successful execution of international IT network projects, including human and financial resource management.
- Navigated cultural dynamics and managed stakeholder relationships to expand business activity by 10% and successfully launch a new regional office.

Project Manager / *Orange / Lyon, France* **08/2011 - 02/2013**

Graduate Researcher / *Harvard Medical School / Boston, MA, USA* **03/2010 - 07/2011**

Education

Engineering Degree in Electrical Engineering (Highest Honours) / *INSA Lyon / France* **2010**

Master Science, technology, health, speciality systems and images. **2010**
(Signal processing and Machine learning) / *INSA, École Centrale Lyon / France*

Technical Expertise & Certifications

- **ATM & Aeronautics:** Radar processing chain (ASTERIX, Mode S), Skyguide Operations, VFR piloting, SESAR frameworks.
- **Project Management:** Scrum Master Certification (CSM - 2018), Agile methodologies (Scrum, Kanban), Cross-functional team leadership, End-to-end project delivery.
- **Digital & AI Literacy:** Machine Learning Specialization (2024), Neural Networks/Deep Learning (2025), Multi-Agent Systems (CrewAI, LangGraph). Python, Go, Ocaml programming. Cloud Architectures (AWS, Docker, Microservices).
- **Languages:** English (Fluent, C1 level - TOEIC: 980), French (Native, C2 level), Spanish (Conversational), German (In progress).