Vincent Romanet

👤 AI Engineer

AI Engineer specialized in **LLMs and conversational agents**. Expert in full-stack development with large-scale deployments. Demonstrated ability to transform innovative concepts into **operational business solutions**.

Quantifiable results:
- 95% document classification accuracy → reduced processing errors
- 1.5M+ candidates processed/week → improved recruiter sourcing quality
- 70% reduction in orthodontist workload → significant medical time savings
- Reusable agent infrastructure → accelerated development of new features

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📖 Education

2013 - 2019
CY Tech, Cergy-Préfecture, France
Engineering Degree in Computer Science/Maths
AI Major

2016
ESSEC Asia Pacific, **Singapore**
University exchange

Technical skills

AI & ML : LLM, AI Agents, Embeddings, Deep Learning

Development & Architecture :
Python, GCP, AWS (SageMaker, S3)

DevOps :
N8N, Cloudfunctions, Cloud Build

Professional Qualities
Innovation & Vision, Technical Versatility, Collaboration, Adaptability, Results-Oriented

Languages

French : Native
English : Advanced
Chinese : Intermediate

Hobbies

Fitness, Cooking, Creative Arts (pottery, sewing), Fashion, Sneakers, Interior Design

Online resume

💼 Experiences

Actual Group | AI Engineer - AI Solutions
April 2024 – Today

Candidate/Job Matching (*Cloud Functions, Elasticsearch, Embeddings*)
- 1.5M+ candidates/week processed with high-performance distributed architecture
- ~3h processing time for complete embedding via Cloud Functions + Elasticsearch

N8N Agent Workflows (*N8N, Google ADK, MCP, Voice AI*)
- Dynamic agents created on-the-fly: "Just add a new prompt"
- Reusable infrastructure with Voice AI (Vapi, ElevenLabs, Twilio)
- Foundation for conversational agent ecosystem

Other Solutions
- Legal Assistant: real-time without RAG, group deployment planned
- Document Classifier: 95% accuracy, 20+ types
- Tender Manager: Drive-like interface + AI extraction
- CV Parser & OCR: Structured Output, Gemini SDK

Personal Projects | AI/Deep Learning Engineer
February 2023 – March 2024
- Resume/Job Matchmaking Tool
  - RAG with FAISS vector database and HF Spaces deployment
  - LangChain integration, OpenAI/MistralAI APIs
  - Technologies: FAISS, LangChain, Gradio, HuggingFace
- Sneaker Identification Model (February-June 2023)
  - Complete dataset creation (collection, processing, labeling)
  - Model deployment on HuggingFace for commercial use
  - Technologies: Computer Vision, HuggingFace

Joovence | AI Manager/Deep Learning
January 2020 – November 2022
Deployed Medical AI Solutions
- 8 models in production for oral-dental pathologies
- Patient monitoring automation: 70% reduction in orthodontist workload
- Team management and international annotation projects
- Technologies: Python, YOLO, UNet, AWS SageMaker

Altran Prototype Automobile | Machine Learning Intern
April 2019 - October 2019
- Neural network model training based on state-of-the-art research
- Detection and classification of infrared thermal images
- Autonomous vehicle project framework
- Technologies: Deep Learning, Computer Vision, Thermal Imaging