

Patrick Saade

Nationality: Lebanese / French | **Address:** Paris, France | Open to relocation | Remote
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AI Engineer | Machine Learning Engineer | LLM & Agentic Systems | Applied AI Consultant

AI Engineer with a software engineering foundation and 4 years of experience building AI systems, including LLM applications, RAG pipelines, and agentic systems, for government, healthcare, and enterprise clients. I own delivery end to end, from backend APIs and databases to model training and production deployment.

EDUCATION

Master of Science in Artificial Intelligence Systems <i>EPITA - Ecole pour l'informatique et les Techniques Avancées</i>	June 2023 <i>Paris, France</i>
Bachelor of Science in Management Information Systems <i>USJ - Université Saint Joseph de Beirut</i>	June 2020 <i>Beirut, Lebanon</i>

PROFESSIONAL EXPERIENCE

Senior Artificial Intelligence Consultant (Part-time) <i>GlobeMed Lebanon, Health Insurance Solutions</i>	March 2025 – Present <i>Beirut, Lebanon</i>
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- Continue advising the AI/ML department I co-founded at GlobeMed, retained part-time as a consultant guiding delivery and technical strategy.
- Lead applied AI initiatives across Bahrain and Saudi Arabia, defining scope, technical strategy, and delivery roadmaps for claims anonymization, document extraction, and translation, expanding AI capabilities into two new regional markets.
- Own solution design across tooling, architecture, and implementation, translating complex healthcare requirements into scalable systems that replace manual processes with production automation.
- Lead and mentor 2 junior engineers while staying hands-on in solution structuring and technical design work, accelerating their ramp-up to independent delivery.

Artificial Intelligence Engineer <i>Zaka.ai / MadeBy</i>	December 2025 – July 2026 <i>Beirut, Lebanon</i>
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- Built and shipped LLM-powered applications for WorkedPlace across React, FastAPI, and OpenAI, owning end-to-end delivery, now serving hundreds of external users in production.
- Developed a personalized Zoom bot integrated with the knowledge base that auto-joins meetings, transcribes, diarizes, and summarizes discussions using LLMs via a containerized AWS pipeline, eliminating manual note-taking and delivering recap emails within minutes.
- Designed technical content and Make-based automations for the Certified AI Consultant program, equipping 100 consultants with deployable client-ready blueprints, templates, and workflows.
- Led a hands-on AI training in French for CIH Bank on Microsoft Copilot 365 and Copilot Studio, upskilling 15 employees across various seniority levels.
- Managed 4 interns and mentored 4 capstone teams across concurrent product initiatives, owning their technical direction and overall delivery quality and standards.

AI Engineer (Freelance)

Inheaden – Ministry of Human Resources and Emiratization

March 2025 – December 2025

Dubai, United Arab Emirates

- Served as AI lead on a major UAE federal transformation program, owning the architecture and implementation of core AI modules, in production across the entire ministry.
- Rebuilt a non-functional forecasting process into a working self-service platform, engineering the LLM coding agent to run on aggregated statistical data only, keeping sensitive records out of the pipeline.
- Architected a chat-with-database system over the national workforce database covering the entire UAE labor force, employment records, and complaints, giving analysts natural-language access via RAG, agentic workflows, and tool calling.

Machine Learning Engineer

GlobeMed Lebanon, Health Insurance Solutions

September 2024 – March 2025

Beirut, Lebanon

- Co-founded GlobeMed's AI/ML department from the ground up, pitching a multilingual medical translation model directly to the CEO, IT Director, and senior leadership to secure funding.
- Fine-tuned a MarianMT model for Arabic medical translation, building the data preprocessing, training, and inference pipeline with beam search, confidence scoring, and BLEU/BERTScore evaluation.
- Improved overall workflow efficiency by 40%, scaled training data from 1K to 15K records, and improved model performance by 22% overall.
- Built an entity resolution solution to map records between legacy and new systems, reducing debugging time by 50% and accelerating data reconciliation.

Artificial Intelligence Engineer

Augment Digital Facilities Services

September 2023 – June 2024

Luxembourg, Luxembourg

- Built an LLM text-to-SQL chatbot and a retrieval augmented assistant over user manuals, improving access to structured and unstructured internal knowledge resources significantly.
- Developed the supporting vector database, LangGraph-based orchestration, and interface testing workflows, improving system reliability and maintainability.

Machine Learning Engineer Intern

Quantmetry – Capgemini Invent

September 2022 – May 2023

Paris, France

- Contributed to machine learning operations and infrastructure initiatives by automating provisioning of AWS GPU environments with Terraform and Ansible for reproducible workflows.
- Supported scalable machine learning training and deployment by integrating Kubeflow with AWS and GCP, building an inference-serving setup with Seldon and Kubernetes.

SKILLS

AI & Machine Learning: LLM Applications, RAG (Retrieval Augmented Generation), Agentic Systems, Model Fine-Tuning, NLP, Deep Learning, Machine Learning

Programming: Python, SQL, Java, TypeScript, REST APIs

AI/ML Frameworks: PyTorch, TensorFlow, Scikit-Learn, Hugging Face, LangGraph, LlamaIndex, OpenAI, MLflow, Claude Code

Web & App Development: FastAPI, React, Streamlit

Data & Infrastructure: PostgreSQL, Vector Databases, Docker, Kubernetes, AWS, GCP, Azure, MLOps, CI/CD, Terraform, Ansible, Kubeflow, Seldon

Tools & Platforms: Git, Make, Microsoft Copilot 365, Copilot Studio

Soft Skills: Problem Solving, Team Communication, Attention to Detail, Adaptability, Fast Learner, Critical Thinking, Mentorship, Ownership, Collaboration, Client Focus, Analytical Thinking, Patience.

LANGUAGES

French (native), **English** (fluent), **Arabic** (native).