

Ha-Quang LE

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PROFESSIONAL SUMMARY

AI systems engineer and architect with 5+ years of experience designing, deploying, and leading large-scale production AI systems. Currently Chief AI Officer at Stellia.ai, a French startup building next-generation educational AI assistants. Deeply passionate about AI systems engineering — bridging cutting-edge models with real-world reliability and scale. Previously collaborated with CNRS researchers on question and exercise generation models for educational content — early work exploring generative AI before ChatGPT.

PROFESSIONAL EXPERIENCE

Stellia.ai — Paris, France

Chief AI Officer (formerly CTO)

Jun 2019 – Present

Company Overview:

Stellia.ai (previously ProfessorBob.ai) builds AI-powered assistants for education, combining advanced document understanding, retrieval, and reasoning capabilities. The company successfully raised €4 M in funding in partnership with Innovacom and INCO Ventures — [see announcement](#).

Key Achievements:

- **Architecture & Scale:** Designed and implemented the company's Graph-RAG question-answering platform, processing ~2 K concurrent LLM requests with 1–3 s TTFT, deployed across multi-cloud (AWS + GCP + Scaleway).
- **Performance & Quality:** Achieved +5–10% accuracy improvement over baseline RAG pipelines (LangChain/OpenAI), with better context retention and reasoning depth.
- **Infrastructure & Reliability:** Built distributed AI infrastructure combining vector and hybrid search (Elasticsearch, Qdrant, Milvus) with robust orchestration using Prefect and Kubernetes.
- **Core Systems Development:**
 - Engineered a document-ingestion and parsing stack preserving layout, tables, and hierarchy using Tesseract, MinerU, and Marker.
 - Developed an agentic AI assistant integrating retrieval, reasoning, and tool-usage (web search, code execution, API calls via MCP) with OpenAI Agents SDK and SmolAgents.
- **Leadership:** Managed and mentored 7 AI engineers and data scientists from top French programs (École Polytechnique, ENS, Paris-Saclay).
- **Collaboration:** Co-developed a math reasoning solver for the University of Arizona, integrated into their e-learning platform.
- **Tech Stack:** Python, Go, TypeScript, React, Elasticsearch, Qdrant, Milvus, PyTorch, TensorFlow, Docker, Kubernetes, AWS / GCP / Scaleway.

Technicolor R&D — Rennes, France

Deep Learning Research Intern

Apr 2018 – Sep 2018

Researched neural architectures for image and audio style-transfer (Gatys, Fader Networks, Adversarial Autoencoders).

Technologies: PyTorch, TensorFlow, WaveNet, NSynth.

BioSerenity — Paris, France

Java Backend Developer Intern

Jun 2017 – Sep 2017

Developed real-time signal-processing pipelines for medical IoT systems, including data filtering and spectrogram generation.

Technologies: Java, AWS, Maven, Spring Boot.

EDUCATION

Master of Science, Data Science — *Université Paris-Saclay, France* (2018–2019)

Engineering Diploma, Cycle Ingénieur Polytechnicien (Machine Learning & Computer Vision) — *École Polytechnique, France* (2015–2018)

Bachelor in Mathematics — *University of Natural Sciences, Hanoi, Vietnam* (2012–2014)

TECHNICAL SKILLS

AI & ML Systems: Graph-RAG, Retrieval-Augmented Generation, Agentic AI, LLM fine-tuning, Text Embeddings, NLP, Information Retrieval

Frameworks: PyTorch, TensorFlow, Hugging Face, OpenAI Agents SDK, SmolAgents

Infrastructure & Orchestration: Docker, Kubernetes, Prefect, Airflow

Databases & Search Engines: PostgreSQL, Elasticsearch, Qdrant, Milvus

Cloud & DevOps: AWS (EC2, RDS, S3), GCP, Scaleway, Azure, Terraform

MLOps & Observability: model registry, eval pipelines, feature store, drift detection, canary deploys, Prometheus, Grafana

Languages: Python, Go, Java, TypeScript, Node.js

Frontend: React, Zustand, TanStack React Query

Others: Linux, Git, CI/CD, REST & GraphQL APIs

HONORS & AWARDS

- 🥇 1st Prize — National Mathematics Olympiad for University Students, Vietnam (2014)
 - 🥈 2nd Prize — National Mathematics Olympiad for High School Students, Vietnam (2012)
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LANGUAGES

- Vietnamese: Native
- French: Fluent
- English: Fluent