

PROFESSIONAL EXPERIENCE

• LUMINESS

Oct 2023 - Present

Software Engineering Apprentice

Hauts-de-France, France

- Engineered and optimized software solutions dedicated to industrial process automation.
- Piloted the deployment of an automated production line, analyzing data to maximize operational efficiency and performance.

• Anacours

Dec 2024 - Present

Teacher / Tutor

Hauts-de-France, France

- Delivered personalized academic support and STEM tutoring, adapting teaching methodologies to individual student needs.

• LIBERFIT

Mar 2023 - Aug 2023

Software Developer Intern

Hauts-de-France, France

- Overhauled the user interface and graphical components, significantly enhancing the overall UX and platform engagement.
- Architected and seamlessly integrated a secure SEPA direct debit payment system via Nuapay, automating financial workflows for client subscriptions.

TECHNICAL SKILLS

Languages: English (Fluent - TOEIC), French (Native), Arabic (Learning)

Frontend & Mobile: React, Vue.js 3, SwiftUI, Tailwind CSS, Next.js

Backend & AI: Python, Laravel, Django, Node.js, PHP, C, Java, TypeScript

Data, DevOps & Arch: PostgreSQL, Docker, Kafka, MinIO, Git, REST APIs

Technical Skills: Industrial Automation, Control Systems, BGE-M3 Models, RAG Architectures

EDUCATION

• Centrale Lille Institute - IG2I

Sep 2021 - Present

Engineering Degree (Master's Equivalent) - Computer and Industrial Engineering

Hauts-de-France, France

- Bridging applied mathematics with complex problem-solving in IT and industrial systems.
- Advanced software engineering skills encompassing algorithms, AI programming (Python), and full-stack web development.
- Expertise in industrial automation, control systems, and electronics for process optimization.

• Lycée Béhal

2018 - 2021

High School Diploma (Baccalauréat) - European Section (Mention Bien)

Hauts-de-France, France

- Mathematics, Physics, Chemistry, and Engineering Sciences.
- Participation in an English-speaking European section, strengthening bilingual communication skills and cultural awareness.

PROJECTS

• Ticketack - AI-Powered Ticketing Intelligence

2024 - 2026

React, Laravel, RAG, MinIO, Python, LanceDB

- Engineered an advanced AI assistant to reduce support ticket resolution time using a robust Retrieval-Augmented Generation (RAG) pipeline.
- Implemented cognitive data extraction using automated OCR and BGE-M3 models for vectorizing knowledge base semantic search.
- Designed for secure, scalable enterprise storage utilizing S3-Compatible MinIO and asynchronous processing via Redis.

• English Game Station

2024

Vue.js 3, Vite, Gamification

- Developed an interactive web platform to gamify classroom activities featuring 4 distinct TV-show inspired game modes.
- Designed for full-screen projection with immersive sound effects, smooth animations, and a persistent global scoring system.

• Noorine

2024 - 2026

SwiftUI, iOS, WatchOS

- Created a stress-free, 100% free and open-source application designed to make learning Arabic accessible within the Apple ecosystem.