

# GUILLAUME ROBOAM

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## Education

### Grenoble INP - ENSIMAG (France's #1 CS Engineering School)

Graduation: June 2026

*M.Sc. in Computer Science — Specialization: Information Systems and Software Engineering*

*Grenoble, France*

- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Databases, Distributed Systems, Web Development, Computer Architecture, Compilers, Cybersecurity

## Work Experience

### Noticeable

May 2025 – Present

*Founding Software Engineer Intern*

*Panama City, Panama*

- Delivered the entire application infrastructure for a YC-preparing startup using Python, LangGraph, Redis and Docker, enabling **first live prototype within 3 weeks**.
- Designed a **scalable and fault tolerant pipeline**, improving retrieval precision and latency, supporting Qdrant and LLM agents for content generation workflows.
- Owned tech roadmap and system design, **collaborating daily** with founders and leading architectural decisions in a zero-legacy, high-autonomy context.

### Eosya

May 2024 – Present

*Software Engineer (Contract)*

*Grenoble, France*

- Architected **Django** REST API integrating **OpenStreetMap** data, reducing geospatial query response times to **less than 1s** through query optimization.
- Reduced search latency by **620%** through redesign of full-text search pipeline using **Elasticsearch**, **Redis**, and PostgreSQL over **800k+** geographic entries.
- Orchestrated all **Docker** containerisation to ensure seamless development, testing and deployment

### Nsigma JE

Mar 2024 – Present

*Chief Information Officer*

*Grenoble, France*

- Boosted web performance **85%** via CDN implementation and frontend optimization (HTML/CSS/JavaScript), enhancing user and customer experience for **500+ monthly users**.
- Modernized infra (CI/CD, automated backups), improved internal documentation and IT processes across the organisation.

## Projects

### Nsigma Mobile App | *Private Source Code*

React Native | Expo | Supabase

- Built cross-platform mobile app using **React Native + Supabase**, enabling students to browse and apply for missions in real time.
- Implemented real-time notifications and secure row-level access control (RLS), supporting up to **200+ users** and **200+ daily transactions**.
- Leveraged **Expo's** cross-platform capabilities to accelerate development cycles, enabling simultaneous iOS/Android updates.

### Nsigma Legal RAG | *Private Source Code*

Python | LangChain | OpenAI

- Developed internal **Retrieval-Augmented Generation** (RAG) to accelerate legal document searching.
- Reduced information retrieval time by **90%** by embedding internal legal documents and enabling semantic querying.
- Targeting **25k+ users** across French Junior Enterprises via standardized deployment pipeline.

## Technical Skills

**Languages:** Python, Java, TypeScript, JavaScript, C, SQL, Bash, HTML/CSS

**Frameworks & Libraries:** Django, React, React Native, LangChain, Node.js, Spring Boot

**DevOps & Infrastructure:** Docker, AWS, GitHub Actions, GitLab CI/CD, Nginx

**Databases & Storage:** PostgreSQL, Redis, Qdrant, Supabase, Elasticsearch, OpenStreetMap

**Methodologies:** REST APIs, CI/CD, Agile environment, RAG (Retrieval-Augmented Generation), System Design