GUILLAUME ROBOAM

📞 +33 630203285 ✉ guillaume.roboam@gmail.com 💼 linkedin.com/in/guillaume-roboam ⭘ github.com/UnMars

💼 guillaumeroboam.vercel.app/

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** conteneurisation to ensure seemless 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