

# GUILLAUME ROBOAM

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## Education

### ENSIMAG - Top-ranked French CS Engineering School

Graduation: June 2026

*B.Sc & 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

### Founding Software Engineer Intern

May 2025 – Present

*Noticeable*

*Panama City, Panama*

- Enabled first customer onboarding by **delivering a production-ready microservices infrastructure in 3 weeks** for a YC-preparing startup, using Python, AWS, Redis and Docker.
- Designed a **scalable and fault-tolerant backend system**, supporting +3 async workflows, optimized for modularity and low latency.
- Drove tech roadmap and system design, **collaborating daily** with founders and leading architectural decisions in a zero-legacy, high-autonomy context.

### Software Engineer (Contract)

May 2024 – August 2025

*Eosya*

*Remote*

- Built full backend architecture **from scratch** using Django, PostgreSQL and Docker, powering a production-ready platform for exploring and searching outdoor sport activities.
- Ensured smooth user experience by implementing **fast full-text autocomplete** over **880k+ entries** using Elasticsearch and Redis, reducing latency **from 7s to 250ms** (28x).
- Led frontend development in Angular to support user search, filtering and visualization of points of interest.

## Projects

### Aleo Hackathon Winner - \$100,000 Prize

Web3 | Aleo (Rust like) | TypeScript

- Won **1st place** in global Web3 hackathon (250+ teams) co-hosted by Aleo and zSociety.
- Built a decentralized oracle feed with ZK-Proof infrastructure and custom SDK for smart contract interactions.
- Led frontend and SDK architecture, with strong performance focus and live demo deployment.

### Nsigma (Student Organization)

React Native | Expo | CI/CD

- Created a mobile app enabling **200+** students to browse and apply for tailored missions in real time leveraging push notifications.
- Overhauled internal infrastructure (CI/CD, Docker, CDN, automated backups), improving frontend performance by **85%** and ensuring reliability for **500+ monthly active users**.

## Leadership

### Chief Information Officer (CIO) | Nsigma Junior Enterprise

March 2024 – March 2025

- Managed a team of 4+ students to develop internal tools that improved mission finding and tracking.
- Led the deployment of a retrieval-augmented system to support legal decision-making and collaborated with leadership to plan scaling to 25,000+ students nationwide.

## Technical Skills

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

**Frameworks & Libraries:** Flask, Django, React, Angular, LangChain, Postgres

**Tools:** Git, GitHub, Docker, AWS, Nginx, Redis, Elasticsearch

**Concepts:** Backend Development, FullStack Development, Software Engineering, Software Development

**Networking:** CI/CD, Microservices, DevOps, Automation, Agile, System Design, Infrastructure Engineering