GUILLAUME ROBOAM

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Profile

Software Engineering student at ENSIMAG with a strong focus on scalable backend systems and cloud technologies. Winner of a $100k global hackathon, demonstrating technical leadership and innovation under pressure. Proven track record of optimizing critical infrastructure, including achieving a 28x reduction in production latency.

Education

ENSIMAG - Top-ranked French CS Engineering School   **September 2023 - June 2026**
B.Sc & M.Sc. in Computer Science   *Grenoble, France*

KTH Royal Institute of Technology   **August 2025 - January 2026**
Exchange semester in Computer Science   *Stockholm, Sweden*

– **Relevant coursework:** *Data Structures & Algorithms, Operating Systems, Databases, Distributed Systems, Web Development, Computer Architecture, Software Testing and DevOps, Ethical Hacking, Scalable Software Development, Functional Programming*

Work Experience

Founding Software Engineer Intern   **May 2025 – August 2025**
Noticeable (Social Media Marketing startup)   *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 (Outdoor platform startup)   *Remote*

- Built full backend and API 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, scalable full-text autocomplete** system using Elastic Search and Redis reducing query latency **from 7s to 250ms (28x)** across a dataset of **880,000+ entries**.
- Enhanced Angular frontend components to optimize performance, reducing RAM usage by **20%**.

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 within a **4-person team**, with strong performance focus and live demo deployment.

Nsigma (Student Organization)   **React Native | Python**

- Created a mobile app enabling **200+** students to find tailored missions in real time leveraging push notifications.
- Managed a team of 4+ students to improve internal infrastructure (CI/CD, Docker, CDN), improving frontend performance by **85%** and ensuring reliability for **500+ monthly active users**.
- Mapped out 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, MySQL

Tools: Git, GitHub, Docker, AWS, Nginx, Redis, Elastic Search

Concepts: Backend Development, Full Stack Development, Software Engineering, Software Development

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

Languages: French – Native | English – Fluent | Spanish – Basic | Japanese – School level