



LYAMANI Ismail

Dual-degree student – MSc Software Development for Information Systems (DOSI) | Seeking a 6-month Software Engineering internship starting April 2027

+33 7 46 00 76 82 ismaillyamani4@gmail.com github.com/ism4il-04
2 Rue Matthieu Gallou, Brest, France

Profile

Dual-degree student, currently pursuing an **MSc in Software Development for Information Systems (DOSI)**, software engineer with strong computer science fundamentals (data structures, algorithms, software design) and hands-on experience with **distributed systems**, **cloud-native architectures** and **containerization** (Docker, Kubernetes). Comfortable coding in **Java** and **Python**, and a regular user of **AI-assisted development tools** (GitHub Copilot, Cursor, Claude Code) to speed up problem-solving and code quality. Used to working in **Agile Scrum** teams and collaborating across time zones. **Fluent in English**, with professional proficiency in **Arabic** and **French**.

Education

Université de Bretagne Occidentale (UBO) – Brest, France **2026 – Present**

- Dual-degree program – MSc Software Development for Information Systems (DOSI)

École Nationale des Sciences Appliquées (ENSA) – Tetouan, Morocco **2022 – 2026**

- Preparatory Cycle (2 years) then Engineering Cycle – Computer Science

Professional Experience

Internship – PortNet S.A. – Casablanca, Morocco **July – August 2026**

The QA team was manually validating functional test cases, which slowed down delivery cycles. I designed and built, with **Playwright**, an automated test suite covering key functional scenarios, integrated with an automatic report-generation pipeline (results, statistics, anomalies), cutting regression testing time by **-70%**, raising coverage to **+85%** of critical cases, and reducing anomalies detected late in production by **-50%**. *Technologies: Playwright, Git/GitHub*

Introductory Internship – Cegedim Maroc – Rabat, Morocco **July 2025**

Took over and refactored a legacy desktop tool for workload tracking (man-days) prone to calculation errors: complete rewrite in **Python**/Pandas with data validation and automated report generation, significantly reducing errors. *Technologies: Python, Pandas, Git/GitHub*

Projects

Spawnta – Spontaneous Meetups & Travel App (Java, Spring Boot, Kafka, Docker)

Real-time application built on a **microservices** architecture to organize spontaneous meetups between nearby users: **Java**/Spring Boot back-end, **asynchronous messaging** via **Kafka** to decouple services, and a complete CI/CD pipeline (GitHub Actions, Docker) for fully automated deployments. Notification latency **<200ms**, **100%** automated deployments.

2D Multiplayer Game – Real-Time Shooter (Java, LibGDX, TCP/IP)

The lack of a 2D game combining real-time action and social interaction drove me to build, in **Java**/LibGDX, a shooter where the player faces waves of enemies, with a **real-time multiplayer** mode over **TCP** sockets to synchronize positions, shots and game state across clients, plus an integrated **chat**, optimizing the game loop for a stable **30 FPS** with **<80ms** latency for up to **4 simultaneous players**.

RepoGuard – GitHub Repository Abandonment Prediction (Python, Scikit-learn,

Pandas, GitHub API)

Built a dataset of **+10,000 repositories** via the **GitHub API** and a complete **Machine Learning** pipeline to predict repository abandonment: **feature engineering** across **19 variables**, class imbalance handling (**~15%** inactive repositories), and supervised classification targeting a **recall ≥ 0.80** on the inactive class. Deployed with **Streamlit** on **Railway**.

Technical Skills

Cloud, Infrastructure & Data:

- Docker, Docker Compose, Kubernetes
- AWS, GCP
- Kafka, distributed systems, microservices
- CI/CD (GitHub Actions), Git/GitHub

Languages, Frameworks & Tools:

- Java, Python, JavaScript/TypeScript
- Spring Boot, Node.js
- AI-assisted dev: Copilot, Cursor, Claude Code
- Agile Scrum methodology

Languages: Arabic (native) • French (professional fluency) • English (professional fluency)

Activities & Leadership

- IT Manager & Web Administrator – ADE** *March 2026 – Present*
Managed IT infrastructure and maintained the official website of the engineering students' association.
- Treasurer – InfoTech Club** *September 2025 – August 2026*
Budget planning, financial tracking and resource allocation for the technology club.