

# João Evaristo

Network, Telecommunications & Software Engineering Student

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## ABOUT ME

Proactive Final-year student combining a strong academic foundation in Network Protocols and simulation tools (GNS3, Packet Tracer, VirtualBox) with self-taught software engineering skills. While my degree provided core knowledge in C, Java, JavaScript, and TCP/IP, I independently expanded my skillset to master the modern tools showcased in the projects below. I am seeking a challenging opportunity to apply this hybrid profile, helping to build robust solutions while evolving alongside experienced professionals.

## KEY PROJECTS

### EchoState - Distributed Network Health Monitor

In Development [\[GitHub\]](#)

**Stack:** Python, Java Spring Boot, Docker, InfluxDB Engineered a distributed observability system for real-time network analysis, reducing detection time of connectivity issues.

- Architected a metric collection system where **Python** agents stream latency and packet loss data to a Central API.
- Designed a containerized architecture with **Docker Compose** to ensure deployment consistency across environments.
- Optimized time-series data storage in **InfluxDB** to enable efficient visualization of network health trends.

### JustTakes - Full-Stack Review Platform

In Development [\[GitHub\]](#)

**Stack:** MERN Stack (MongoDB, Express, React, Node.js) Developing a comprehensive web application for multimedia reviews with a focus on security and scalability.

- Implemented **JWT Authentication** with Refresh Tokens to mitigate session hijacking risks.
- Optimized database interactions using **MongoDB Atlas**, enforcing data integrity through schema validation.
- Created a responsive frontend using **React 19** and **Tailwind CSS**, deployed on Vercel for high availability.

### Minesweeper in Java

Academic Project [\[GitHub\]](#)

**Stack:** Java, OOP, Swing Developed a fully functional game applying Object-Oriented Programming principles, focusing on clean architecture, file handling, and GUI design.

## PROFESSIONAL EXPERIENCE

### Independent Tutor (Mathematics)

10/2024 – Present

*Self-Employed*

Remote/Hybrid

- Mentoring students in problem-solving logic and mathematical concepts.
- Adapting teaching strategies to different learning styles to improve student performance.

### Freelance Translator

01/2025 – 03/2025

*Andovar*

Remote

- Delivered technical translations and audio recordings for international projects.
- Ensured strict adherence to deadlines and high-quality linguistic standards.

## EDUCATION

### B.Sc. in Computer Engineering, Networks and Telecommunications

2023 – Present

*ISEL - Instituto Superior de Engenharia de Lisboa*

- Relevant Coursework: Distributed Systems, Computer Networks, Algorithms and Data Structures.

## VOLUNTEERING & ACTIVITIES

### EY Ambassador (Ernst & Young)

03/2025 – 02/2026

Selected to represent EY on campus. Boosting brand awareness for EY Technology Consulting by organizing networking events and connecting students directly with recruiters.

**Missão País (2025 & 2026):** University volunteering project serving local communities, developing teamwork and resilience.

**TechStorm '26:** Team project selected for the competition. Currently in the mentorship and development phase, building an innovative solution to combat Deepfakes.

**Futuralia Representative:** Selected as a speaker to represent ISEL's engineering courses to prospective students.