

Gustavo Figueiredo

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Profile

Half-brasilian, half-portuguese tinkerer who's passionate about privacy and music.

Technical Skills

- **Programming Languages:** Solidity, Python, C, C++, Assembly (ARM64), Noir, Circom, Rust
- **DevOps:** Docker, Kubernetes, Podman
- **Information Security:** Penetration testing, malware reverse engineering, network protocols (TCP/IP, UDP, ICMP...)
- **Systems Programming:** Memory management (malloc), exploit analysis

Projects

- **BountyPool**
a decentralized platform designed to incentivize open-source software (OSS) development by connecting repository owners with developers.
- **InspectiFi**
AI chat bot that lets anyone ask questions about addresses, transactions, or price feeds and receive concise, human-readable answers backed by live on-chain data. ([demo link](#))
- **stylus-mixer**
zk mixer written in Rust with Arbitrum Stylus.
- **Soler**
Python disassembler to analyze EVM bytecode.
- **malloc() article**
authored technical write-up on memory allocation mechanics.
- **Reverse Engineering**
analyzed arm64/32 samples to understand exploits; documented one finding on my personal site.
- **Synthesizer**
building a modular synthesizer to explore EE.
- **Music**
without limits, just whatever comes to mind.

Education

- **Bachelor's Degree in Computer Science**, 2023-2025 (dropped out for a self-directed path)
Universidade Lusófona do Porto
- **Solidity Bootcamp, Encode**, 2023
Gained hands-on experience in blockchain development and smart contract deployment.
- **CS50, edX**, 2022

Experience

- **Hacker, ETHGlobal Prague**, 2025
- **Volunteer, ETHPrague Conf**, 2025
- **Crew Member, NDC Porto**, 2024
- **Co-Organizer, Polygon Porto**, 2023