Mario Santamaría Osorio

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PROFESSIONAL EXPERIENCE

Broadcastr.xyz - Backend   Jan 2021 - Apr 2023
Startup   Remote

- Developed all solidity smart contract arquitecture.
- Made smart contracts using upgradeability patterns.
- Designed custom NFT contracts that embedded a video player for live content.
- Used Livepeer network.
- Used ethers.js for smart contract interactions with the frontend.
- Used foundry framework.
- Broadcastr Website ↗

PROJECTS

Securing Web 3

↗ Demo

- Made using React Framework.
- Simple compilation of useful resource for the ethereum security community.

Merge Day NFT

↗ Demo

- On-chain NFT only available for 24 hours.
- Designed a vector based image to embed onto an smart contract.
- Made website to mint a NFT commemorating Ethereum upgrade to POS.
- React + Foundry solidity framework.

Rust CLI to get ETH balance

↗ Code

- Rust + Web3.rs crate.
- Simple CLI to practice Rust programming.

Filter4rena

↗ Demo

- A way to find and filter Code4rena vulnerabilities.
- Really useful study resource for aspiring solidity auditors.

Mini EVM

↗ Code

- Decodes bytecode into EVM opcodes.
- Keeps track of the stack state.
- Made in Rust programming language.

EDUCATION

Technical University of Madrid - UPM   Sept 2018 - Jun 2024
Degree in Computer Engineering

Studies In Sweden   Jan 2022 - Jun 2022
Studied abroad in Sweden at BTH university

ACHIEVEMENTS

2nd place at Hackathon   Made an AI chatbot to help users find the solution to their problems on road and give   2019
                                necessary instructions to contact "AXA-Seguros" Support Center.

TECHNICAL SKILLS

Programming languages: Python, Rust, Typescript, Solidity   **Web Technologies:** HTML, CSS, Typescript, React, Astro
Data Analysis: Numpy, Pandas, Matplotlib   **Miscellaneous:** Git, *NIX systems, Shell, LaTeX