

Mario Santamaría Osorio

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PROFESSIONAL EXPERIENCE

Broadcastr.xyz - Backend

Startup Jan 2022 - Apr 2023 Remote

- Developed all solidity smart contract architecture.
- 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

2 days [🔗 Demo](#)

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

Merge Day NFT

1 week [🔗 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

1 day [🔗 Code](#)

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

Filter4rena

4 days [🔗 Demo](#)

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

Mini EVM

2 weeks [🔗 Code](#)

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

EDUCATION

Technical University of Madrid - UPM

Degree in Computer Engineering Sept 2018 - Jun 2024

Studies In Sweden

Studied abroad in Sweden for 1 semester Jan 2022 - Jun 2022

ACHIEVEMENTS

2nd place at Hackathon

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

TECHNICAL SKILLS

Programming languages: Python, C, Typescript, Solidity

Data Analysis: Numpy, Pandas, Matplotlib

Web Technologies: HTML, CSS, Typescript, React

Miscellaneous: Git, *NIX systems, Shell, L^AT_EX