Jose María de la Cruz Sánchez

Telecommunications Engineer
Smart Contract developer

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Stack

Smart Contract development
Solidity

Frameworks and deployment
Hardhat
Javascript

Libraries
Ethersjs
Openzeppelin

Standard and others
ERC20
ERC721
ERC1155
TheGraph
IPFS

Oracles and others
Chainlink
Chainlink Price Feeds
Chainlink VRF
Chainlink Keepers

Audit
Unit testing
Staging testing
Slither

About me

Telecommunications engineer by University Carlos III (Madrid) and RWTH Aachen University (Germany) with a Masters Degree on Blockchain technology, Smart Contracts and Cryptoeconomy.

Due to the hours dedicated to the theoretical study of blockchain technology and my experience as a Blockchain Engineer both designing decentralized application architectures and developing Smart Contracts I am the ideal person with whom to consult - audit - develop your idea in an effective, efficient and secure way.

Education

MSc in Blockchain technology, Smart Contracts and Cryptoeconomy
Universidad de Alcalá (Spain - remote)
`2021 - Now`

MSc in Electrical Engineering, Information Technology, and Computer Engineering
RWTH Aachen University (Germany)
`2021 - 2022`

Telecommunications Engineering Bachelor's degree
Universidad Carlos III de Madrid (Spain)
`2017 - 2022`

Electrical Engineering and Computer Science Exchange Scholarship Awarded
University of Arkansas (EE.UU)
`2020 - 2021`

Cancelled due to COVID-19.

Work Experience

TortleNinja: Blockchain Engineer
Full-time
`August 2022 - Now`

Development of Smart Contracts, auditing an testing.
Development of backend based on API and Typescript.
Development of frontend based on Typescript, React and NodeJS.
Stack used: Solidity, Hardhat, Javascript, Ethersjs, OpenZeppelin, TheGraph, Slither, IPFS, Typescript, React, Node, API

Quarktium: Co-Founder, Co-Ceo and Smart Contract developer
Full-time
`April 2022 - Now`

Cofounded Quarktium, a blockchain startup which aims to develop a science-based space metaverse as a key feature of the project in which I am in charge of developing all the required smart contracts.
Stack used: Solidity, Hardhat, Javascript, Ethersjs, OpenZeppelin, ERC721, TheGraph, Slither, IPFS, Python

Languages

Spanish — Native

English — Bilingual

German — Basic

French — Basic

Smart Contract developer   March 2021 - Now
Freelance

Development of Solidity Smart Contracts, unit and staging testing and audits of the developed contracts.
Stack used: Solidity, Hardhat, Javascript, Ethersjs, OpenZeppelin, ERC721, ERC20, ERC1155, TheGraph, Chainlink, ChainlinkVRF, Chainlink PriceFeeds, Chainlink Keepers, Slither, IPFS

UST: QA Software Engineer   May 2021 - August 2021
Intership

Development of automated testing for web environments, development and testing on mobile environments, as well as research, development and implementation of new automated test environments.
Main skills: Java - **XML** - **Cucumber** - **Selenium** - **Appium**- **Android Studio** - **AShot** - **Visual regressiion**- **Cucumber reports** - **Web QA** - **Mobile QA**

Personal projects

- **«Quarktium»**
  Click here to check Github repository.
  Blockchain own Startup that aims to develop a science-based space metaverse which several subprojects are being developed by me:

  - **Quarktium NFT Collection: UpperSky**
    Click here to check Github repository.
    NFT collection based on an scientific background as it has transformed real Stars data from three major catalogs into NFTs.

  - **Quarktium NFT Marketplace**
    Click here to check Github repository.
    Marketplace allow users to buy and sell UpperSky NFTs with not service fee added. Royalty fees are set to 10

- **«Racks-items»**
  Click here to check Github repository.
  Tokenized Decentralized Commerce and MarketPlace for items using ERC1155 standard to represent them where users that owns a specific ERC721 can win items by opening a random case and can generate tickets to sell to normal users to be able to open the mentioned case.

- **«Indeliable Evidences»**
  Click here to check Github repository.
  Timestamping Service over Bitcoin Blockchain and Prove of Ownership by ERC-721 Standard and Ethereum database implementation.

  Decentralized protocol for generating content timestamps on double-chain, specifically on Bitcoin and Ethereum blockchain plus a generation of an ERC-721 token which acts as a digital prove of timestamping ownership.