



Ilija Petronijević

Address

Belgrade, Serbia, 11000

Phone

+381 60 3763856

E-mail

ilijapet@gmail.com

Github

<https://github.com/ilijapet>

Born

29.03.1980.

Profile

Formal education in philosophy, majors in science and technology with a lifelong interest in the implications modern technologies have for our society. Soon after I finished my Master's in 2016 I was strongly drawn into the direction of programming and blockchain technology. From 2016 I decided to focus solely on programming while learning Python first and then Javascript and Solidity. In 2021 I was certified by ConsenSys Academy as a full-stack Ethereum blockchain developer and in 2022 I became an alumni of OxMacro smart contract engineering program.

Working Experience:

Jan 2023 - August 2023 “Mosh” USA company making next level fun platform where we use blockchain technology to increase the level of involvement fans have with their favorite musicians. Platform offers a way to invest in songs and to earn part of the revenue stream that artists generate on Spotify. Users were also able to collect their favorite songs as NFT and they were able to create their digital collections.

Tasks: integration of smart contracts into the back-end. Analyzing and testing smart contracts as well as more traditional backend work of making Django REST APIs combined with Firebase

(authentication, firestore and storage services, stripe integration etc.). Deploying Django backend to App engine and contracts to Mumbai Polygon.

Tools & languages: Solidity, Python, Django REST, Brownie, web3.py and Google cloud.

<https://mosh.gg/>

January 2022 - August 2022 FluidNFT project where we develop a protocol that will allow users to use NFT as a collateral for borrowing stablecoins. Supported by ConsenSys Mesh and Protocol Labs.

Tasks: implementation of ERC712 standard, writing API for ingestion of off-chain NFT price feeds on-chain, testing of smart contracts for the whole protocol.

Tools & languages: JavaScript, Python, Solidity, Express.js, HardHat and Foundry

<https://www.fluidnft.org/>

January 2021 - December 2022 Vandetta group developing the system for preserving data integrity of SQL databases and issuance of NFT certifications for the USA transportation industry.

Tasks: From the idea on how to use blockchain technology in the context of the transportation industry to the implementation of the project. In this project I was developing a system for protecting data integrity of classical sql databases by issuing NFT certifications on Ethereum blockchain.

Tools & languages: Brownie, web3.py and Django REST.

2020 - 2021 IPFS and Protocol lab funded project SmartCOOP where I combine web2 and web3 technologies in an attempt to re-imagine how modern cooperatives can look like.

Task: design and create a whole prototype.

Tools & languages: React for test front-end, Django REST back-end APIs, Google firestore/Firebase user database. Smart contracts were written in Solidity and developed and tested with Brownie. Integration web3.py and ethers.js.

2019-2021 Prototyping DApps for different clients; front-end MetaMask and other wallets integrations; integration of smart contract functionalities with front-end and smart contract improvements.

Education

OxMacro, Smart Contract Engineering programa 2022

Ethereum Blockchain developer, ConsenSys Academy, 2021

M.A. Philosophy, University of Philosophy Novi Sad, 2016. major in science and technology.

Languages and tools

Python

English (Cambridge B2 - FCS)

Solidity

Serbian

JavaScript

Brownie, HardHat, Foundry, web3.py, web3.js, ethers.js, Django, Django REST, Google cloud