Blockchain Reference Work

Micro Payment Application

Banking and Payment

Tools & Technologies:

Node, Stellar, Blockchain, Ionic, Angular, Python, PostgreSQL

Description:

Client is a well-known company in Europe for micro payment-based services. This application enables cross boundary transactions very cost effectively by leveraging Blockchain technology infrastructure. I was part of the end-to-end solution development including developing backend for Blockchain, creating back-end services and developed mobile application to transfer money, mobile recharge, offering exchange services and has features for many more micro payments.

Achievements:

- Implemented Blockchain backend using Stellar network.
- Created PWA and hybrid mobile applications using ionic.
- Built reusable UI components.
- Used Web3 JS, Solidity, Truffle for contract development
- Web API development
- Admin application all modules development
- Worked on blockchain development and implementation
- Client appreciated the overall delivery & user experience

https://ebioro.com/

https://orunpay.com/

DApp and DeFi

Technologies: Block Chain, Smart Contract, Ethereum, Solidity, React JS

Creation of ERC 20 contract and Vesting contracts, ERC1155 tokens to support NFTs for a well known gaming client.

Contribution:

As a team member, responsible for

- Designing and developing the contracts and functions
- Developing the Matic POS bridge for the ERC20 token transfer

- Adopting to openzepplin standards for the ERC20 and ERC1155

- Developed the custom logics for the vesting contracts

- Project setup and architecture using the HardHat

- Creation of test cases using Mocha framework

- Deployment of contract to test networks and mainnet

- Participated in the contract Audit

- Creation of the function DAPP using the React

- Implemented GNOSIS safe for multisig

https://www.realm.art/

https://etherscan.io/address/0xe06c3fb4cb7dc780a9767a17a4809cc9c7b21902

NFT Marketplace

Ethereum, Matic Blockchain

Tools & Technologies

Ethereum Blockchain, Node JS, React, PostgreSQL

- Application Architecture development

- Smart Contract Development

- Security implementation

- Performance Optimization

- Code Review

- Lead offshore Team

Notables is the modern digital art and collectibles platform where various artist can mint and auction their NFTs. Once NFTs are minted can be transferred to any wallets or sold to any platforms like OpenSea. This application allows original creators to gain royalties on every sale. User can see the authenticity or the NFT and all purchase history which make the whole creative space more transparent, robust and secure. We developed a Blockchain based solution for international audience, where a transaction speed is lightning fast and digital assets are secured and traceable on IPFS storage. The system was implemented using Polygon, an Ethereum fork which is open source blockchain implementation to provide scalability and low-cost transaction fees. React were used to make it intuitive UI.

Smart Contract creation for ERC20 and ERC1155 tokens

Technologies: Smart Contract, Ethereum, Solidity, React

Creation of Lottery contracts and Biding contracts.

- Designing and developing the contracts and functions

- Creating notables for the auction and trading them

- Adopting to openzepplin standards for the ERC20 and ERC1155

- Developed the custom logics for the biding

- OpenSea integration

- Deployment of contract to test networks and mainnet

Liquidation Bot

Ethereum, Matic Blockchain

Tools & Technologies

AAVE Protocol, Node JS, Web3 JS, Typescript, PostgreSQL

Responsibilities

- Smart Contract Development

- Security implementation

- Performance Optimization

Liquidity market creation for the ERC 20 token with integration over the Uniswap. Tokens were used for trading the ERC1155 tokens and were transfer using the vesting algorithm this much is sufficient. React were used to make it intuitive UI. Developed smart contracts which includes Access Control, Reserve Control, Tract Interest accounts and Liquidate accounts.