

JAYAKUMAR S

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Technical Skills

Languages: Solidity, JavaScript, Python.

FrameWorks: Node js, Next js(intermediate), Web3 js, Ether js.

Tools: Truffle, Foundry, Hardhat, Brownie, Ganache, Remix, Slither.

Experience

GuardianLink

Mar 2021 - Present

Blockchain Developer

Chennai, Tamilnadu

- **Research and Implementation of Raffling, EIP-998, Variety of Dutch auctions, ERC-721-A.**
- **NFT CI/CD pipeline Automated scripts for Metadata generation, Image stitching, Rarity plots.**
- **Designing architect for Smart Contracts and researching new EIP's and ERC's .**

Freelancing

Mar 2021 - Present

Smart Contract Consultant/Developer

- **Providing Blockchain consulting and Smart Contract Development.**

D-Frame

Mar 2021 - May 2021

Blockchain Developer - Part Time

Remote

- **Engaged with the Research of Blockchain storage solutions**
- Engaged with the Research of data collection via plugins and websites.
- Mentored web2 developers transition towards web3.

Blockchain App Factory

Sep 2021 - Nov 2021

Blockchain Developer Intern

Chennai, Tamilnadu

- Engaged with Internal **Smart Contract Auditing** and **Research** of new frameworks and tools.
- Proficient with **Automation testing , Attack-Vector Smart Contracts and Security tools.**
- **Decreased deployment fee and gas fees by 30%** by optimizing and restructuring code flow.
- Developed automated script in Typescript which queried **10000+ random numbers continuously without any breakage** with help of **ChainLink oracle in Polygon Mainnet.**
- Engaged with **Token Bridge(ETH-BSC)** with Burn and Mint Interfaces and utilized **Web3 js** for listening events.

BYTEX

Aug 2021 - Sep 2021

Blockchain Developer Intern - 🐙

Remote

- Created Two **ERC20 Tokens** and a **De-fi Staking smart contract** entirely from scratch.
- Integrated above mentioned smart contracts with an attractive **front-end with a Complete test suite.**
- Designed the **tokenomics** for the above mentioned project and researched payment gateway implementation

Projects

Proof-Of-Stake(Prototype) - 🐙

- **P2P connection established, Nodes automatically sync with each other** when a transaction is posted.
- **Implemented Block validation, Signature Validation, Transaction Validation and POS consensus protocol.**
- **Created API endpoints for Blockchain state, Info , Transaction pool and Transaction.**

Marketplace(Online Course Platform) 🐙 - [Live](#)

- Working with tech stack of **Truffle , Next js , Tailwind** to upgrade traditional platform with a **web3 view.**

NFT-Marketplace 🐙 - [Live](#)

- **NFT Marketplace** with all the basic features deployed on the polygon testnet.[**Hardhat, Ether js, Next js, Tailwind**].

On-chain Generative NFT 🐙

- Built **Algorithms for generating svg's** which are placed **inside the smart contract** that is interpreted off-chain.

Upgradable Smart Contracts 🐙

- Upgrading smart contracts using the **UUPS , DiamondUUPS** and **Clone** methods in **Factory** implementation.

WEB 2.0 Projects:

- **Weather Application** 🐙 - [Live](#) : Provides weather forecasts using **mapbox** and **weather-stack.**
- **Chat Application** 🐙 - [Live](#) : Online chat application using **WebSocket.**(Club House Concept).
- **Task Manager Application** 🐙 : created Backend end for full stack application using **MongoDB.**