Gurpreet Singh

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Winnipeg, MB

Blockchain Developer

Full Stack Blockchain Developer creating React based Webapps & Solidity based Smart contracts to build exceptional web3 decentralised applications for modern finance.

Key Skills

Blockchain	|	Solidity • Foundry • Hardhat • OpenZeppelin • Ethers.js • Wagmi.sh
Web Development	|	HTML • CSS • Typescript • Next.js • React • Tailwindcss
Backend	|	Node.js • Nest.js •Prisma • PostgreSQL

Experience

Ender Protocol - Full Stack Developer   **6/2023 - Current**

Remote

- Built and maintained protocol websites and web app using Next.js and Tailwind CSS, ensuring a modern and responsive user interface.
- Built up blockchain wallet connections and integration for seamless user experience between the UI and **smart contracts.**
- Deployed Nest.js backend powered by Prisma to manage critical data for UI and Analytics, working with custom subgraphs, ensuring the overall functionality of the protocol.
- Collaborate with a 6+ member development team, prioritizing seamless **teamwork**, efficient code management, and continuous improvement.
- **Lead frontend developer** of all protocol websites.

Kosys - Intern Developer   **9/2022 - 4/2023**

Remote

- Collaborating with lead developers and working on development of IPO **smart contracts**.
- Built the UI using React to further be used to blockchain and frontend integrations.

Education

Niagara College - Computer Programmer   07/2017 - 03/2020

Welland, ON

Projects

Sibyl Access - Solidity | React.js | Node.js | ChakraUI | Ethers.js

- Developed and deployed NFT mint application, primarily focusing on design aspects and introduction to smart contracts.
- Contract checks for various requirements before mint happens using require and can be customised accordingly
- Programmatically deployed **Solidity** smart contract on Georli Testnet, though can be deployed on any EVM based blockchain
- Minimalist design with css using ChakraUI built up on **React.js**

Decentralized Exchange - Solidity | Next.js | Node.js | Ethers.js | Tailwindcss

- Designed and developed a **Uniswap** v3 AMM model based DEX used to swap between 2 ERC20 tokens. Uses TransferHelper and Uniswap's iSwapRouter to act as the mediator's for the trades
- Built with Next.js using multiple easy to edit components and structures

- Incorporated **Hardhat** framework to streamline the development of smart contracts, increasing the feedback loop up to 10 times through robust support for tasks such as contract editing, debugging, and deployment management

Eth Donation (Frontend + Blockchain) - Solidity | Next.js | Node.js | Ethers.js | Tailwindcss

- Solidity smart contract that allows users to donate Ethereum to a specified address leaving optional donation messages and details.
- Developed, deployed and tested with **Hardhat** framework using scripts and additional plugins.