

SIMRANJEET SINGH

Web3 Fullstack Engineer

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PROFESSIONAL EXPERIENCE

Senior Software Engineer - (Solidity, NestJS, Next.js)

Mon Protocol

 Dec. 2023 – Present

 Remote, Singapore

- Developed and deployed **smart contracts** for **token launch**, including **pre-sale**, **staking**, and **claims**, ensuring secure management and distribution of tokens and rewards.
- Engineered **backend infrastructure** to support token management and user interactions, optimizing performance and reliability.
- Implemented **pre-sale** and **questing systems** to enhance token distribution and engagement.
- Built and maintained comprehensive **backend systems** for **launch-pools** and **staking**, integrating with blockchain components.
- Tech Stack: AWS, NestJS, Redis, Next.js, Tenderly, Solidity, Omnichain

Senior Fullstack Engineer - (React Native, React.js, Solidity)

Pop Social


 Dec. 2022 – Jan. 2023

 Remote, Dubai

- Developed the decentralized SocialFi app **Pop**.
- Engineered a **web3auth**-like solution for password-free wallets.
- Contributed to the **Token Launch** with NFTs, staking, and airdrops.
- Built an **in-app web3 wallet** for various EVM chains.
- Created an on-chain **NFT marketplace** and a **Dynamic Avatar NFT**.
- Boosted **React Native app performance** by implementing efficient data caching, reducing re-renders and improving responsiveness.
- Tech used: RNUILib, ethers.js, metamask-sdk, web3auth, walletconnect, graphql, tailwind, zustand, react-query, IPFS, subgraphs

Fullstack Developer - (React.js, Node.js, Subgraphs)

Colexion


 June 2022 – Dec. 2022

 Gurgaon, India

- Developed core APIs for the **TopRun Cricket Fantasy Game**.
- Rewrote backend and SQL procedures in Express.js using **sequelize-ORM**, migrating data from MongoDB to PostgreSQL to enhance relational capabilities. This involved designing and optimizing **SQL schemas**, and implementing robust data migration strategies to ensure a smooth transition and improved database performance.
- Designed frontend and contracts for an **NFT Marketplace**.
- Built an **NFT Admin Dashboard** with subgraphs.
- Tech used: sequelize, PostgreSQL, ethers.js, tailwind, IPFS, subgraphs

Fullstack Developer - (React.js, Firebase, Solana)




Cykura

 July 2021 – July 2022

 Remote

- Developed **CycloSwap**, an advanced Solana swap interface.
- Created **dynamic price charts** and **dynamic SVG NFTs**.
- Built an **Indexer** for **TVL/Volume analysis**.
- Tech used: candy machine, hasura, cloud-functions, styled-components

OPEN SOURCE VISIT

- QuickSwap / interface-v2 VISIT 
- project-serum / swap-ui VISIT 
- processing / processing-website VISIT 

TECH STACK & EXPERIENCE

React | Typescript | Solidity | Go | Rust

Frontend

- Frameworks/Libraries:** Next.js, React Native, Vite, TanStack, Astro, Svelte, Three.js, Zustand ...
- Styling:** Tailwind CSS, Radix UI, MUI, Chakra UI, Mantine, Emotion, GSAP, Framer Motion ...

Backend

- Languages/Frameworks:**
 - Golang:** Fiber, Gin, Echo, Gorm, SQLC, Beaver
 - Node.js:** Express.js, NestJS, Fastify, Hono, Deno
- APIs:** REST, tRPC, JSON-RPC, websockets
- Databases:** PostgreSQL, Redis, Kafka, RabbitMQ


Web3

- Smart Contracts:** Solidity, Huff, Rust (for Solana)
- Infra:** Subgraphs, Rollups, Cosmos, Hardhat/Foundry
- Protocols:** IPFS, Chainlink, TheGraph, LayerZero

DevOps & Infrastructure

- AWS:** Lambda, S3, ECS, RDS, Amplify, SST
- Docker, Cloudflare, Supabase, Stripe, Grafana

PROJECTS



SAFU PASS – React.js, Solidity, Subgraph VISIT 

- Built at **ETHIndia 2023 Hackathon**.
- On-Chain password manager.

PokeTrade – React.js, Solidity, Subgraph VISIT 


- NFT Marketplace for trading ERC1155 and ERC721 tokens with native or any ERC20 token.
- Subgraphs (The Graph) is used for indexing and building APIs around smart contract and NFTs.

nUSD StableCoin – Solidity, Foundry

- Algorithmic Stablecoin protocol similar to DAI. VISIT 
- Its a minimal stablecoin system based on the Maker-DAO DSS system i.e Exogenously Collateralized and Dollar Pegged, but without any governance.
- Deposit - Burn - Liquidate UI interactions. VISIT 

Grid1 – React.js, Solidity, Subgraph VISIT 

- Built at **ETHIndia 2022 Hackathon**.
- A **Forkable-NFT Collection** builder dapp deployed on Polygon Mainnet.

Ethernaut Solutions – Solidity, Security 

- Solving Solidity based wargame, hacking and learning various smart contract exploits.

EDUCATION

Bachelor of Technology

Computer Science and Engineering

Guru Gobind Singh Indraprastha University