

SIMRANJEET SINGH

Fullstack Blockchain Developer

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📍 Delhi, India

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📁 PROFESSIONAL EXPERIENCE

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

Pop Social

📅 Dec. 2022 – Present

📍 Remote, Dubai

- Building a decentralized SocialFi App - **Pop**.
- Built a RN **wallet-login module** using walletconnect and web3auth, linking wallet & user, assign username w/ a Name Service (like ENS), and profile pic as NFT, creating an unique user identity on-chain.
- Built an **in-app Wallet** having support for basics functionality such as send, receive tokens and track transactions history.
- Built an on-chain **NFT marketplace** in solidity (and subgraph for indexing) supporting Auctions + Direct - Buy and Sell.
- Built an on-chain **Dynamic Avatar NFT** in solidity, in which user can mint their own unique avatar using other components such as skin, clothing, accessories etc. which are also NFTs and can further be traded on the in-app marketplace.
- Tech used: *RNUILib, ether.js, metamask-sdk, web3auth, walletconnect, graphql, tailwind, zustand, react-query, IPFS, subgraphs ...*

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

Colexion

📅 Aug 2022 – Dec. 2022

📍 Gurgaon, India

- Worked on core APIs for the **TopRun** - Cricket Fantasy Mobile Game.
- Re-wrote whole backend & sql procedures, in express.js using **sequelizeORM** with microservice architecture.
- Built a NFT Admin Management Dashboard w subgraphs & ether.js.
- Worked on a NFT Marketplace frontend with contract integrations.
- Tech used: *sequelize, postgresQL, ether.js, tailwind, IPFS, subgraphs.*

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

Cykura

📅 July 2021 – July 2022

📍 Remote

- **CycloSwap** - the most advanced swap interface on Solana.
- Created **dynamic price charts** w/ token-based price denomination.
- Built API auto generating **dynamic SVG NFT** portraying live LP.
- Built **Indexer** for **TVL / Volume analysis** for liquidity pools.
- Tech used: *candy machine, hasura, cloud-functions, styled-components*

React Developer - (React.js , MaterialUI , Figma)

Surepass

📅 Nov. 2020 – Apr. 2021

📍 Remote

- Background Verification Dashboard for HR. [Visit](#)
- E-Sign App with collaborations and docs management. [Visit](#)
- Tech used: *Figma, MaterialUI, Redux, React-Hook-Form, React Query*

🔗 OPEN SOURCE [VISIT](#)

- [project-serum / swap-ui](#) [Visit](#)
- [maticnetwork / matic-docs](#) [Visit](#)
- [processing / processing-website](#) [Visit](#)

</> TECHNICAL SKILLS

React.js + Native | Typescript | Solidity | Go

Stuff I have good experience with :

- FE : Next.js , Three.js , Svelte , Solidjs , Expo , tRPC , RSC , Redux , Zustand , Jotai , React Query ...
- BE : Go, Node.js , Express , Sequelize , DrizzleORM ...
- ETH : solidity, foundry, hardhat, ethers, subgraphs ...
- UI : Tailwind , RadixUI , MUI , ChakraUI, Mantine ...
- BaaS : Firebase , Supabase , Hasura , Twilio , Stripe ...
- DB : MySQL , PostgreSQL , Redis , MongoDB ...

📁 PROJECTS [🔗](#)

NFT Marketplace — React.js , Solidity [Visit](#)

- Build NFT Marketplace for trading ERC1155 and ERC721 tokens with native or any ERC20 token.
- React and tailwind used for Frontend, smart contract with Solidity and deployed on polygon mumbai.
- Subgraphs (The Graph) is used for indexing and building APIs around smart contract and NFTs.

Grid1 — React.js , Solidity , Subgraph [Visit](#)

- Built at **ETHIndia 2022 Hackathon**.
- A **Forkable-NFT Collection** builder dapp deployed on Polygon Mainnet.
- Using React for UI and The Graph for contract API's.

Fun with Three.js — Three.js, react-three-fiber

- Minecraft - Web Edition [Visit](#)
- Cartoon Shader Rocket [Visit](#)
- Glowing Marbles Animation [Visit](#)
- 3D Dice Roller [Visit](#)

Chatter Box — React.js , Supabase , Tailwind [🔗](#)

- Open Room Chat app build using Supabase channels.

Ethernaut Solutions — Solidity , Security [🔗](#)

- Solutions for Web3/Solidity based wargame, hacking and learning various smart contract exploits.

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](#)

Raffle Lottery — Solidity [🔗](#)

- A simple on-chain Raffle Gambling game, using Chainlink VRF .

Loch Sign-up Page — React.js , Tailwind [🔗](#)

- Responsive Sign-up page for Loch app [Visit](#)

🎓 EDUCATION

Bachelor of Technology

Computer Science and Engineering

Guru Gobind Singh Indraprastha University