

# SIMRANJEET SINGH

## Fullstack Blockchain Developer

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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**.
- Engineered a **web3auth** like solution, onboarding users with their own secure, password-free and non-custodial wallet generation.
- Successfully contributed to **Token Launch** with vesting and staking contracts alongside with Presale, Questing and Airdrops.
- Built an **In-app web3 wallet** integrating with various EVM chains.
- Built an on-chain in-app **NFT marketplace** supporting Auctions.
- Built a **Dynamic Avatar NFT** serving as a customizable on-chain profile avatar tradable on marketplace.
- Optimised **React Native App performance** with improved data flow, state management, type-safety, data fetching and caching.
- Tech used: *RNUILib, ether.js, metamask-sdk, web3auth, walletconnect, graphql, tailwind, zustand, react-query, IPFS, subgraphs ...*

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

### Colexion

June 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, postgresSQL, 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](#)

- QuickSwap/interface-v2 [Visit](#)
- project-serum / swap-ui [Visit](#)
- processing / processing-website [Visit](#)

## TECHNICAL SKILLS

React | Typescript | Solidity | Go | Rust

Stuff I have good experience with :

- FE : Next.js , htmx , react-native , three.js , svelte ...
- BE : go , node.js , deno , nestjs , graphql , tRPC ...
- web3 : solidity, subgraphs, web3.js, solana, anchor...
- UI : tailwind , radixUI , mui , chakra-ui , mantine ...
- DB : postgresql , redis , supabase , firebase , hasura ...
- Misc : git, aws, figma, docker, CI/CD, twilio , stripe ...

## 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.

**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.

**MATES Warriors — React.js , Firebase** [🔗](#)

- Open Community driven webapp to help connect needy during the Covid-19 outbreak .
- A platform that can help connect the donors, receivers and caregivers.

## EDUCATION

Bachelor of Technology

Computer Science and Engineering

Guru Gobind Singh Indraprastha University