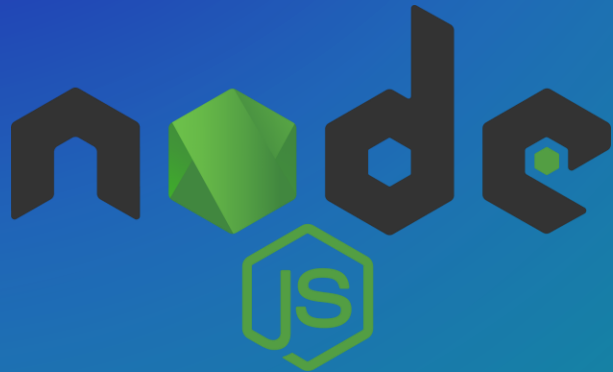




Francoin

Blockchain Challenge

Eric Horsch & Valerio Falvella



Technologies

Frontend React 18.3.1

- Ethers 6.13.4

NodeJS Backend

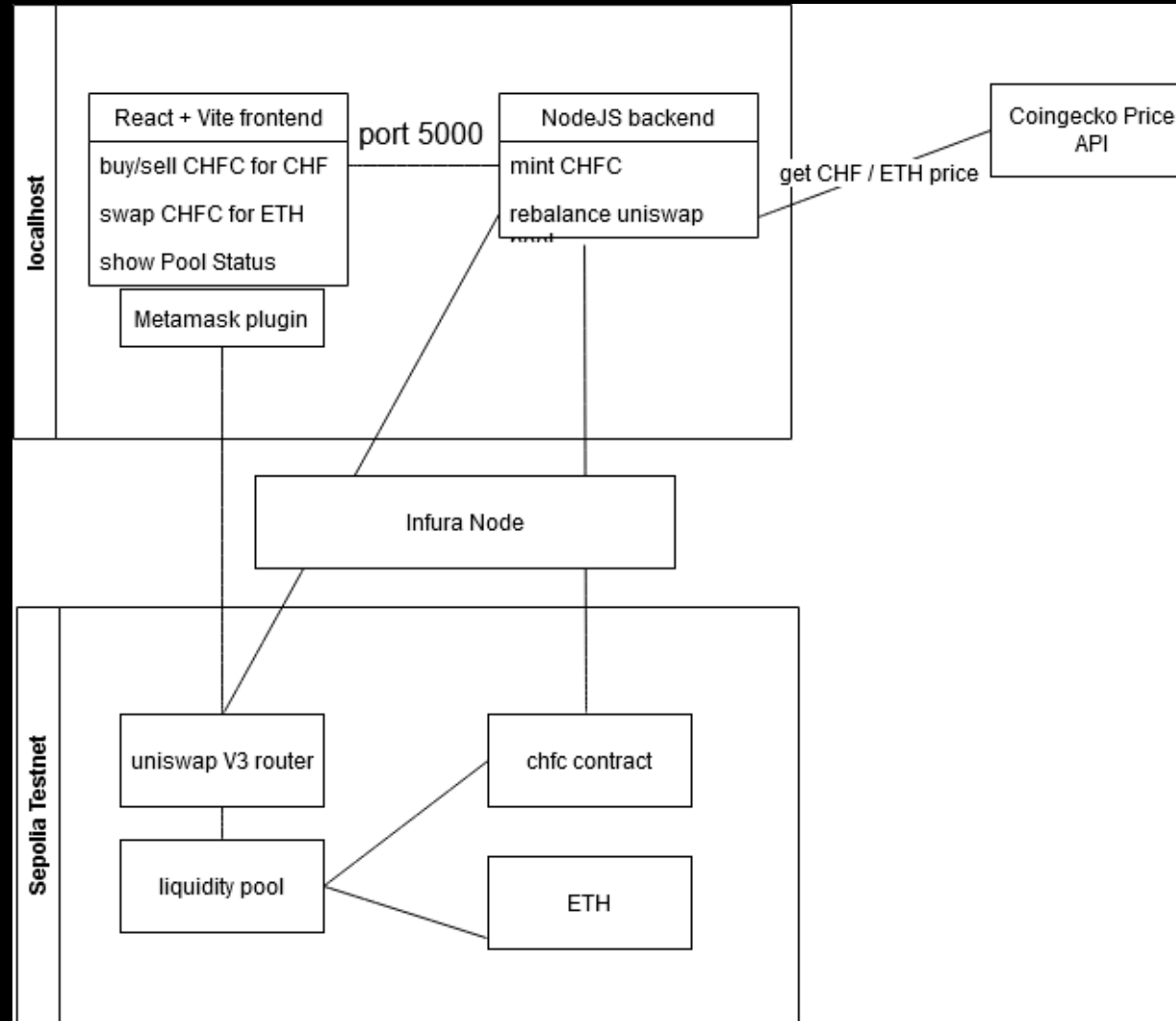
- Ethers 6.13.4

Solidity Contract on Sepolia Testnet

Francoin Contract

- ERC20 with Openzeppelin Wizard
 - Mintable
 - Burnable
 - Ownable
 - Mint 10'000CHFC on deployment

Architecture



Arbitrage Bot

- Ensures exchange price is stable
- Checks Deviation every minute
- Swaps Coins if deviation $> 1\%$
- Price guarantee with collateralized reserves

A vertical bar on the left side of the image, transitioning from dark purple at the top to blue, then teal, and finally green at the bottom.

DEMO