



WTIST Stablecoin: The future of trading oil

Introducing a stablecoin tied to the price of Western Texas Intermediate (WTI) crude oil, featuring a rebalancing mechanism to maintain price stability.

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Project Overview

Stablecoin

Represents the price of WTI crude oil and is traded on a DEX.

Rebalancing Mechanism

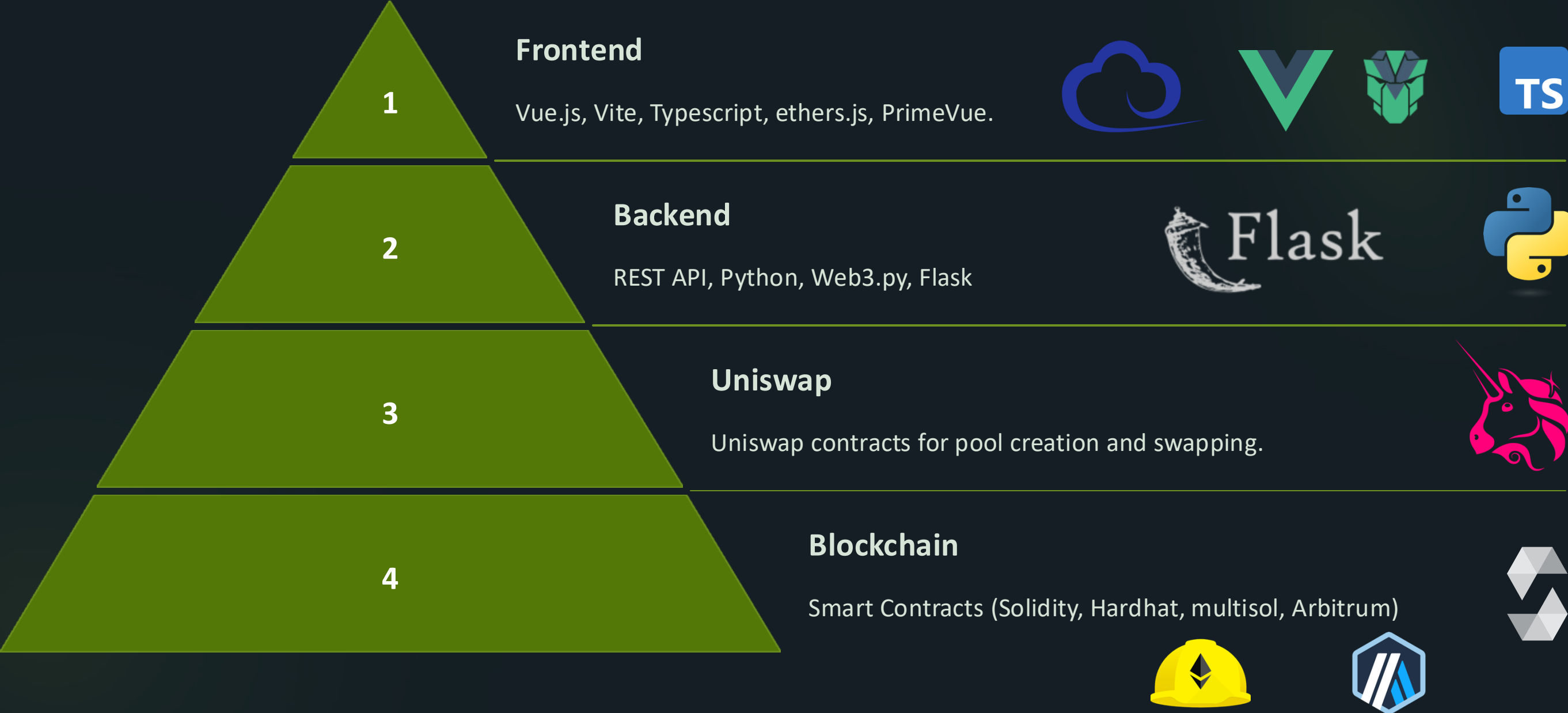
Automatically adjusts token quantities to maintain price stability.



Goals

- Design a stablecoin that represents a crude oil index
- Frontend functionalities
 - Swap token
 - Status and process
- Include a public blockchain:
 - Arbitrum (L2 on Ethereum)
- Rebalancer Service

Tech Stack



Backend Key Features

1 Real-time WTI Price Tracking

Monitors WTI prices using Chainlink's price feed.

3 Automated Swap Mechanisms

Adjusts token quantities to stabilize the stablecoin's price.

2 Liquidity Pool Ratio Analysis

Checks the liquidity pool ratio every 5 minutes.



Frontend Key Features

1

Connect with Metamask

- Display your WTIST balance
- Real-world asset equivalence

2

Interactions

- Swap Tokens
- Transfer Tokens

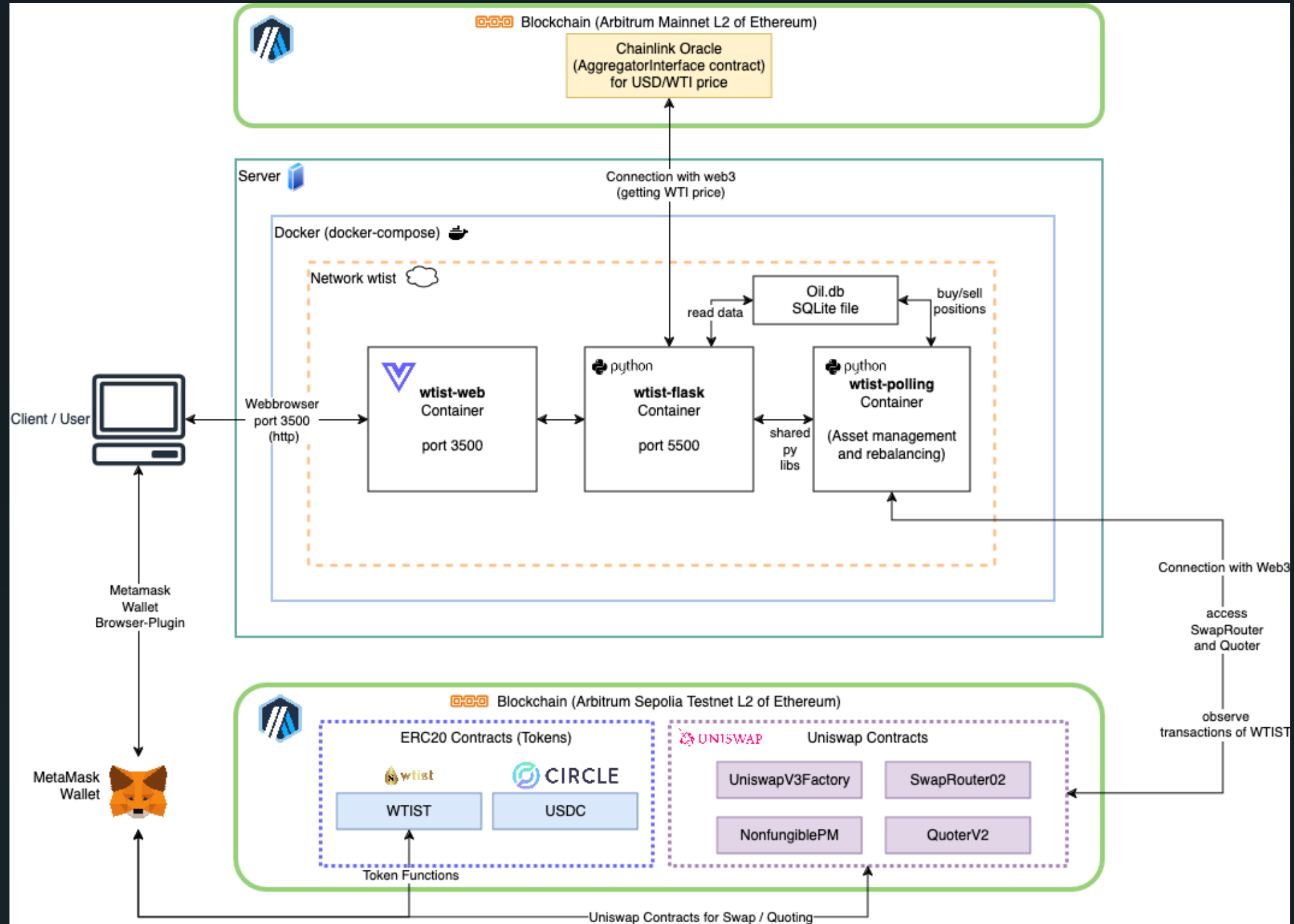
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Transparency & Stability

- Display total oil reserve



Architecture



Future Opportunities

Liquidity Pool Incentives

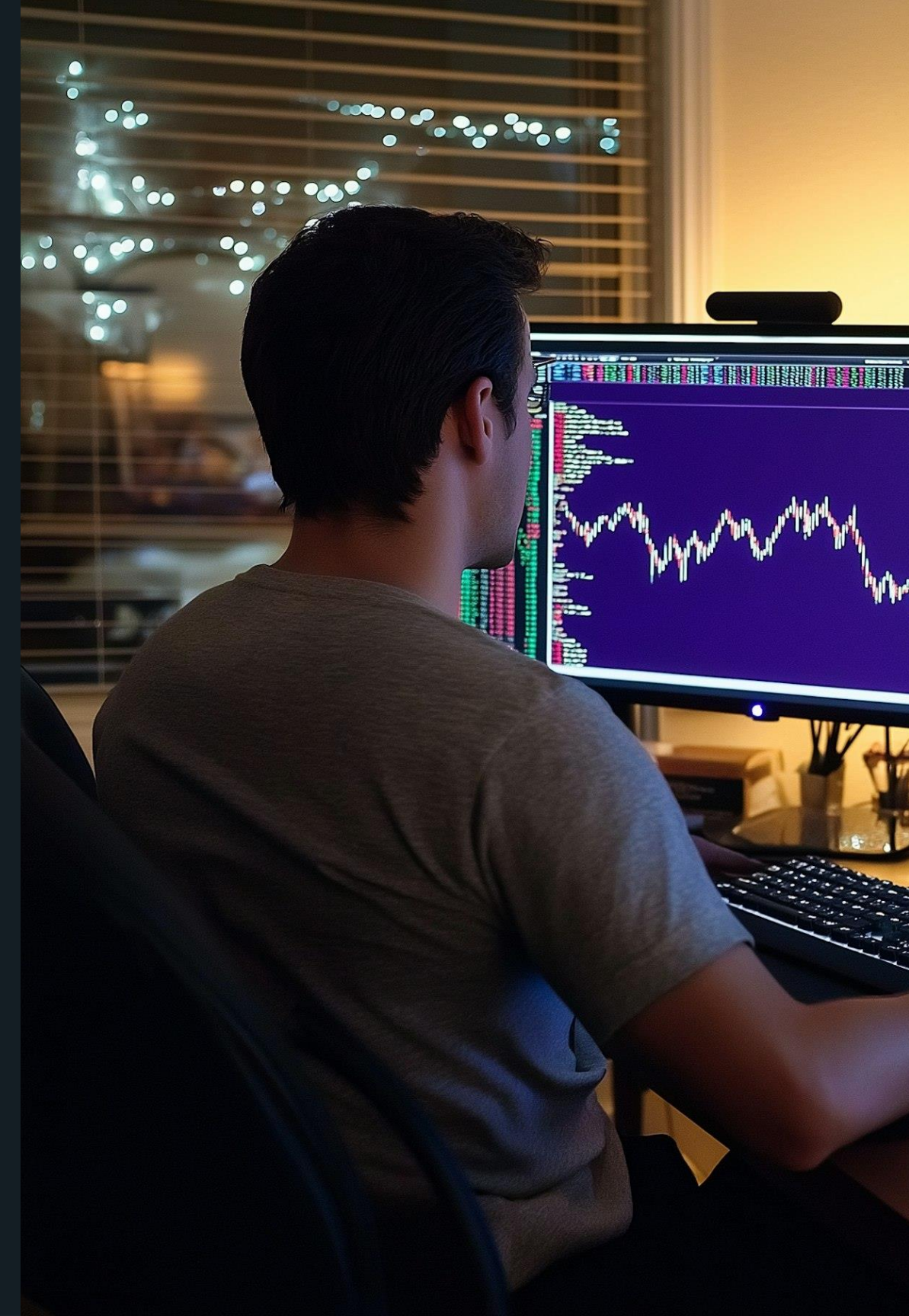
Implement Uniswap staking rewards for long-term token holding.

Direct Trading Integration

Add in-app buy/sell functionality for seamless trading.

Advanced Risk Mitigation

Expand over-collateralization strategy and develop hedging mechanisms.





Conclusion