

# Blockchain-based Digital Money Solution

## Introduction:

The objective of the project is to advance the digital money infrastructure by leveraging Blockchain technology and offer a stable and predictable digital asset i.e. a digital asset that is straightforward and user friendly for all to use. The system is based on methodically increasing the asset value, thus progressively increasing users' net worth while charging a fixed fee within the system. Price predictability, stable low fees, and simplified access to Blockchain assets are salient benefits that set this system apart. The system at its core is a custom Blockchain network that has been built from scratch.

## Client Details:

**Name:** Confidential | **Industry:** Finance | **Location:** Canada

## Technologies:

**Blockchain:** Substrate Framework, Rust, Ethereum (Solidity), EOS (C++), Metamask, Anchor, Polkadot wallet, Wallet Connect

**Backend:** Golang, Node.js, MySQL

**Frontend:** React.js, TypeScript

**Infrastructure & Other Tools:** Terraform, AWS, CloudFlare, Webdriver.io, Jenkins (CI/CD), Prometheus, Grafana, ELK

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## Project Description:

The project's main vision is to build a Blockchain-based community foundation and an ecosystem that aims to advance the digital money infrastructure by offering a stable and predictable digital asset.

Some of the salient features of the project are as follows:

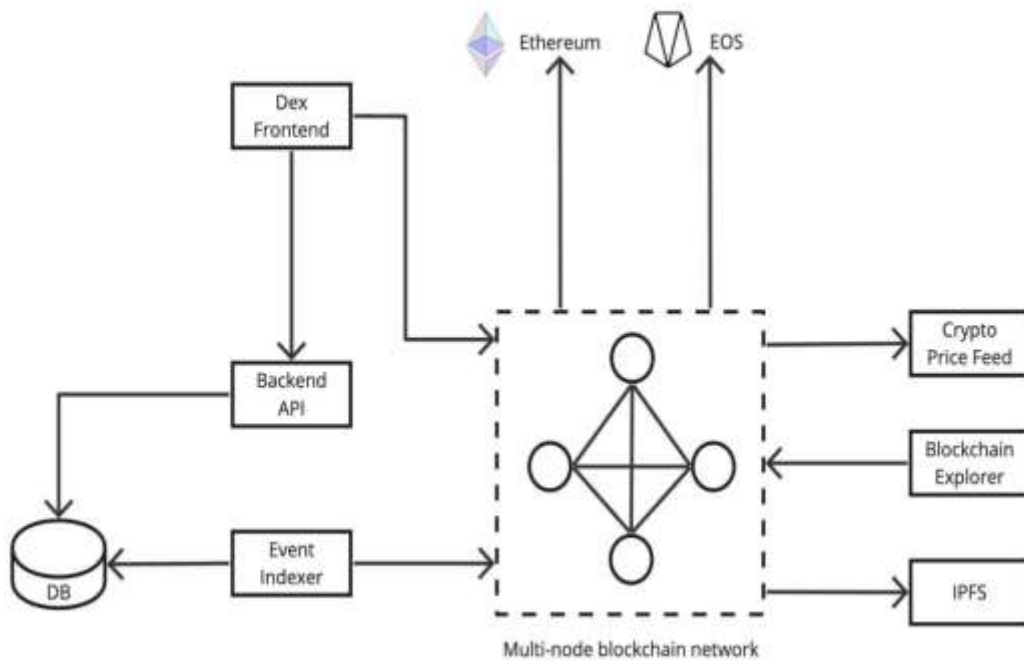
- The project does not belong to any one individual but managed by a legal foundation
- The algorithmic value of the asset makes it a reasonable buying opportunity at any given time.
- Cryptocurrencies of other Blockchains can be deposited and used to purchase the digital asset.
- All crypto currencies used to pay for the asset from the initial reserve are redistributed to the asset holders.
- The digital assets are protected from price manipulation, exit scams and pump-and-dump activities through a predictability approach.
- An ecosystem is being developed around the digital asset to drive use and mass adoption.

Some of the major milestones of the project are as follows:

- Decentralized Exchange (Dex)
- Deposit feature for ETH, EOS, USDC and USDT cryptos
- Migration from PoA to PoS consensus
- Offchain worker consensus
- Nomination pools
- Governance

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## Architecture Diagram:



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## Screenshots:

The screenshot shows a dashboard with a navigation bar at the top containing 'Transactions', 'Wallet', 'Explorer', and 'IPFS'. The main content area features a large heading 'The First Algorithmic Finance System' on the left and a 'Market Statistics' panel on the right. The market statistics panel displays the following data:

Reserves	Market Capital
11,121,417	\$381,710,114.00
Circulation	Price
28,878,583 (\$259,907,250.70)	\$9.5428

The screenshot displays the 'Supported Wallet' section, which is organized into three columns:

- ETH Wallets:** Metamask, Wallet Connect, Coinbase
- EOS Wallets:** Anchor
- Polkadot Wallet:** Polkadot

The screenshot shows a 'Sell Orders' table with the following columns: #, Order ID, Seller, Asset, Price, and a status icon. The table contains five rows of order data:

#	Order ID	Seller	Asset	Price	Status
1	0x7909850e8a0d99b4a8...	5HpysociisRfb6gDd6VT3PozWX2XurgL7C5MPybUia...	90.000000000000000000	\$9.1590056716941458	🔔
2	0x56505d1127c128f2dd...	5HpysociisRfb6gDd6VT3PozWX2XurgL7C5MPybUia...	100.000000000000000000	\$9.1590056716941458	🔔
3	0x5117854bb038ac173d...	5C7hEkAhajDyP7gz4PcNje3zYTgYAvhnSmXq7NNDu...	10.000000000000000000	\$9.159005891135350617	🔔
4	0x5478080ef0053ca64cf...	5FA6nLQwp4MH2atFK7fLjaf5kQWnXDkqxiH8qba64...	10.000000000000000000	\$9.176074019576415105	🔔
5	0x062baaa200b0d3fc42a...	5FA6nLQwp4MH2atFK7fLjaf5kQWnXDkqxiH8qba64...	100.000000000000000000	\$9.483517705524005532	🔔