



SAMIR ZAFAR

RWA TOKENISATION

REPRESENTING REAL WORLD ASSETS ON A BLOCKCHAIN





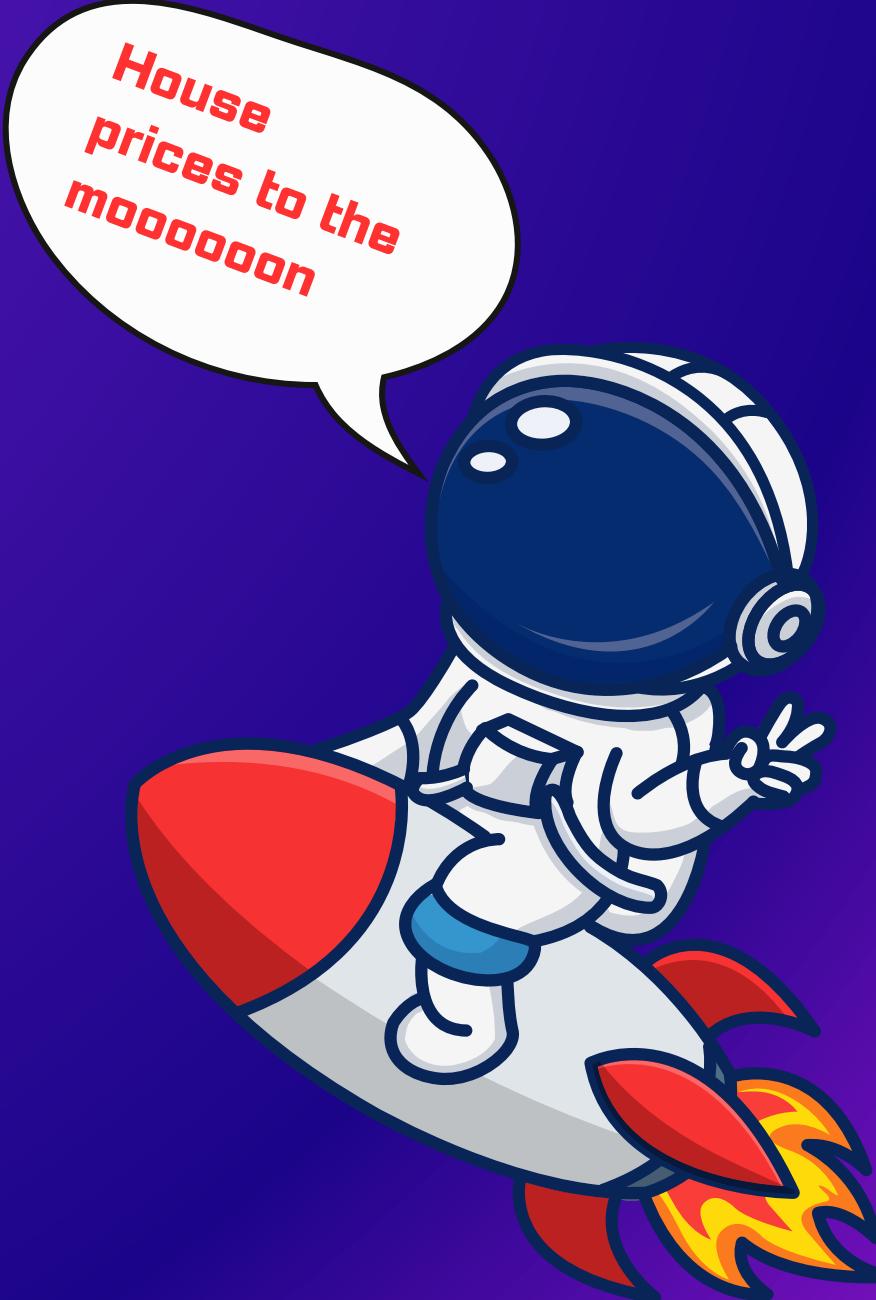
Samir

BEFORE THE FUN BEGINS

Hi, I'm Samir.

- Developer at Booking.com
 - Full stack developer
- New to Web3 Development
 - Currently focusing on expanding my Web3 Portfolio





HOUSE PRICES...

- May 2024 (UK)
 - Average House Price - £285,201
 - Average Salary - £35,464
- The barrier to entry to the real estate market is at an all time high. Salary growth is stagnant and house prices are growing rapidly.

If only there was a solution where you could partly own a house with others....





RWA TOKENISATION

Real World Asset Tokenisation is the solution to the problem & it works for many others things.

Benefits

- Fractional Ownership
 - Tokenization allows for fractional ownership of properties, enabling smaller investors to participate in the market.
- Global Market Access
 - RWA tokens enable seamless cross-border transactions by eliminating the complexities and delays associated with traditional asset transfers.
- Improved Transparency and Security
 - Blockchain technology provides an immutable ledger of transactions, ensuring that the ownership and history of the asset are transparent and cannot be altered or tampered with.

There's more... but I won't bore you 😊





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PRIVATE BLOCKCHAINS 😕

Private blockchains exist and they are only completely managed by an entity.

The transactions are not open to the public.

Many financial institutions are looking at private blockchains for primary sales of tokenised assets





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BRIDGING...

If only there was a bridge that allowed the two, private blockchains and public blockchains to connect 😕

Hadera consensus service can be leveraged to do so, in my solution I have created an application that has multiple Government bonds on offer.

1. User buys a government bond, it's tokenised and published to a private ledger (R3 Corda)
2. User requests to switch it to the public blockchain because they want to sell it in secondary sales market.
 - a. Token is burned on private ledger
 - b. Hadera Consensus is leveraged to initiate creation of a token on the public Blockchain (Ethereum Blockchain)
 - c. User has switched token from private blockchain to public with ease and has record of all transactions.





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LIGHTS, CAMERA, ACTION!

Here is my demo for my solution - [DEMO LINK](#)





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ROADMAP...

What can be improved?

- Allow for dynamic login & Sign Up
- Integrating with real entities... i.e. the government or any entities that want to sell RWA and issue tokens on a private blockchain.
- Allow for the Government bonds (or any RWA) to be traded or partly owned in the application.
- Produce a list of transactions of that particular bond in the application rather than having links to external sources.





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Search

THANK YOU

REPRESENTING REAL WORLD ASSETS ON A BLOCKCHAIN

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LINKEDIN

SOLUTION CODE

