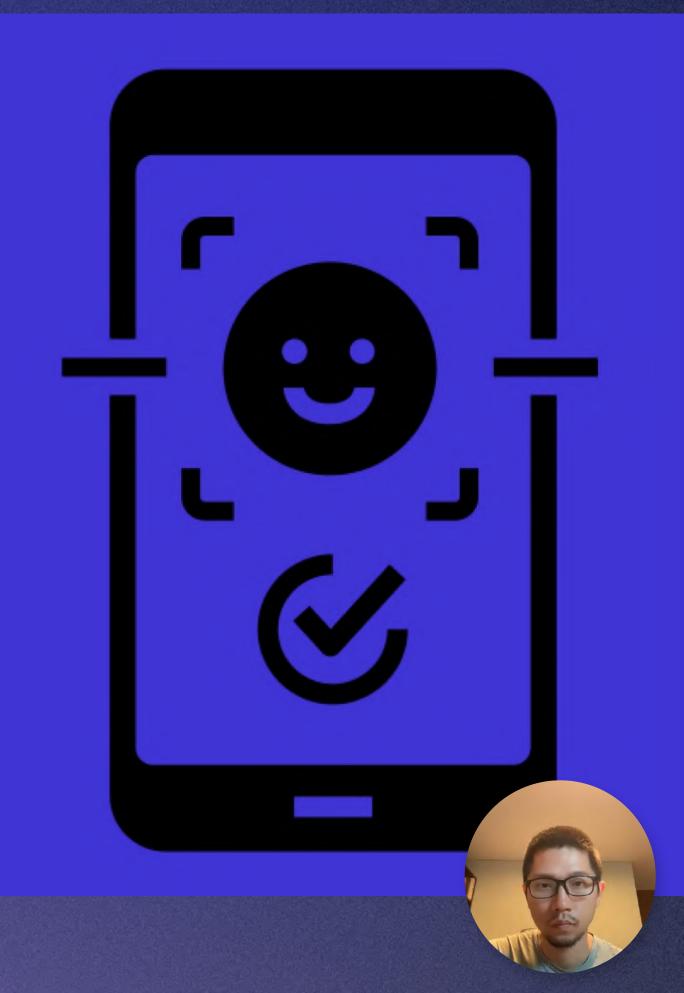
# Bring your own face

Trustless & Seamless UX solution with ZK Face ID and Account Abstraction



#### **Problem**



Mobile UX sucks on web3: what if I want to use a single wallet from any device?

Mobile is a huge!

• Recovering an account: can I trustlessly use my biometric data instead of seed phrase?

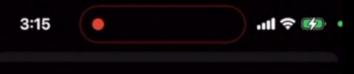
Parachain to EVM Chains: what if I want to use a single wallet for parachains and EVM chains without going through multiple bridges?

#### Solution: ZK Face Crosschain Account Abstraction Wallet

- Trustlessly access your funds: Use your face to generate a proof to verify the ownership of wallet from any device.
- Account & Network Abstraction: No need to approve, transfer, and bridge via multiple & cross-chain transactions. It's done by one click.
- Undivided: Keep your money on Polkadot parachains while utilizing EVM chains.
  Use DeFis on EVM chains with wrapped Parachain tokens!

### Technical Overview

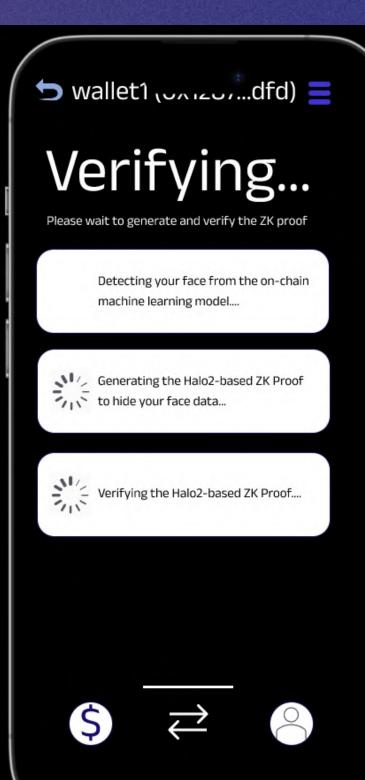






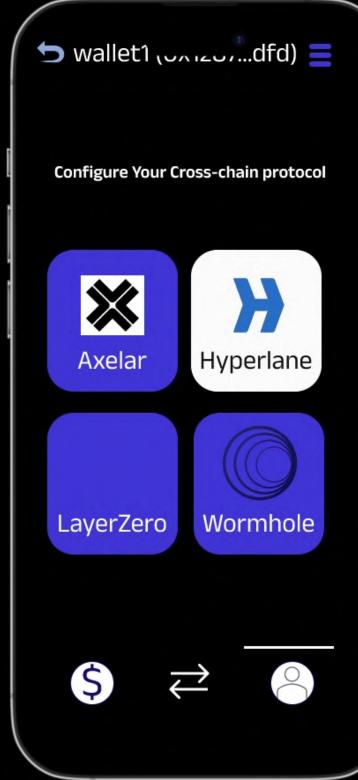
Please fit your face in the oval





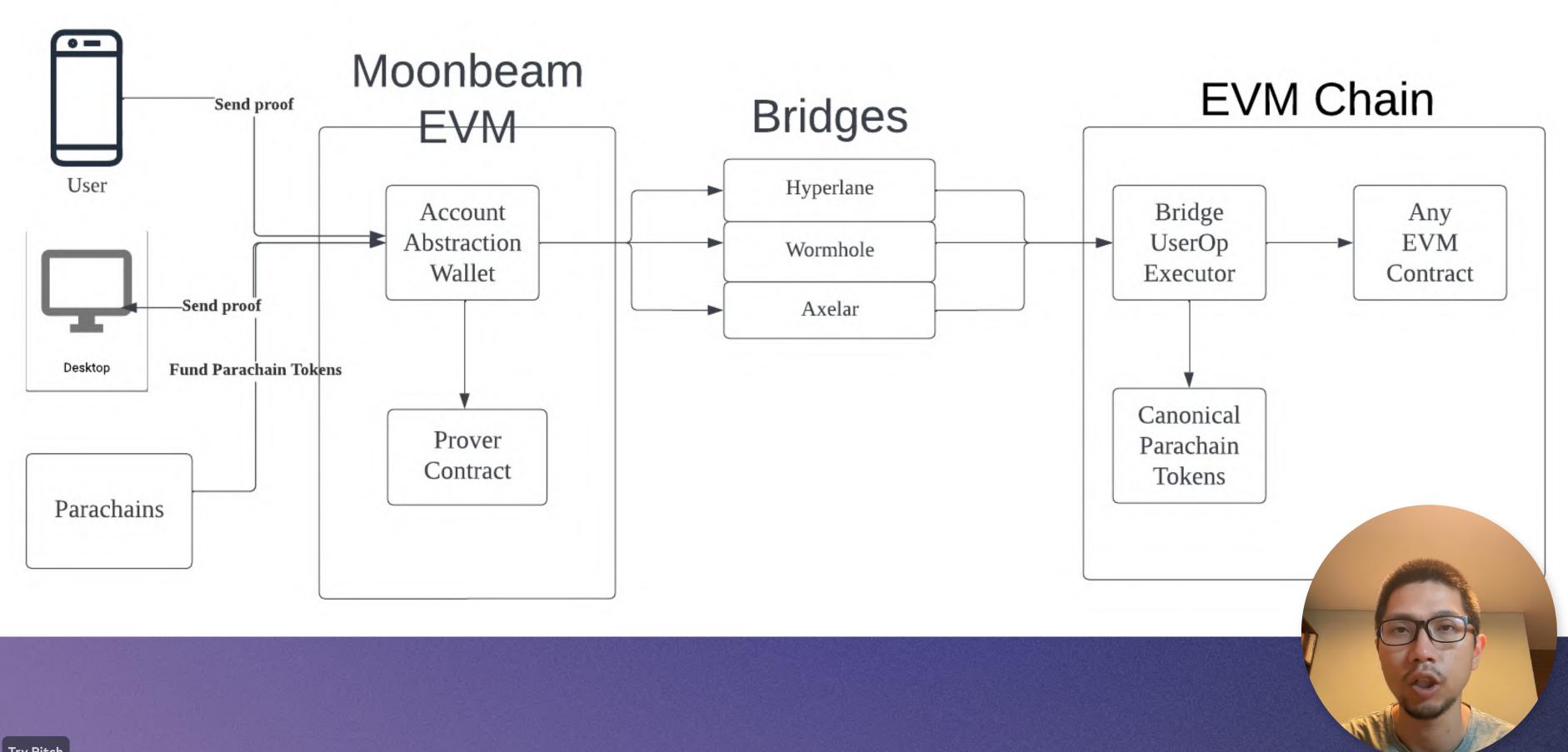


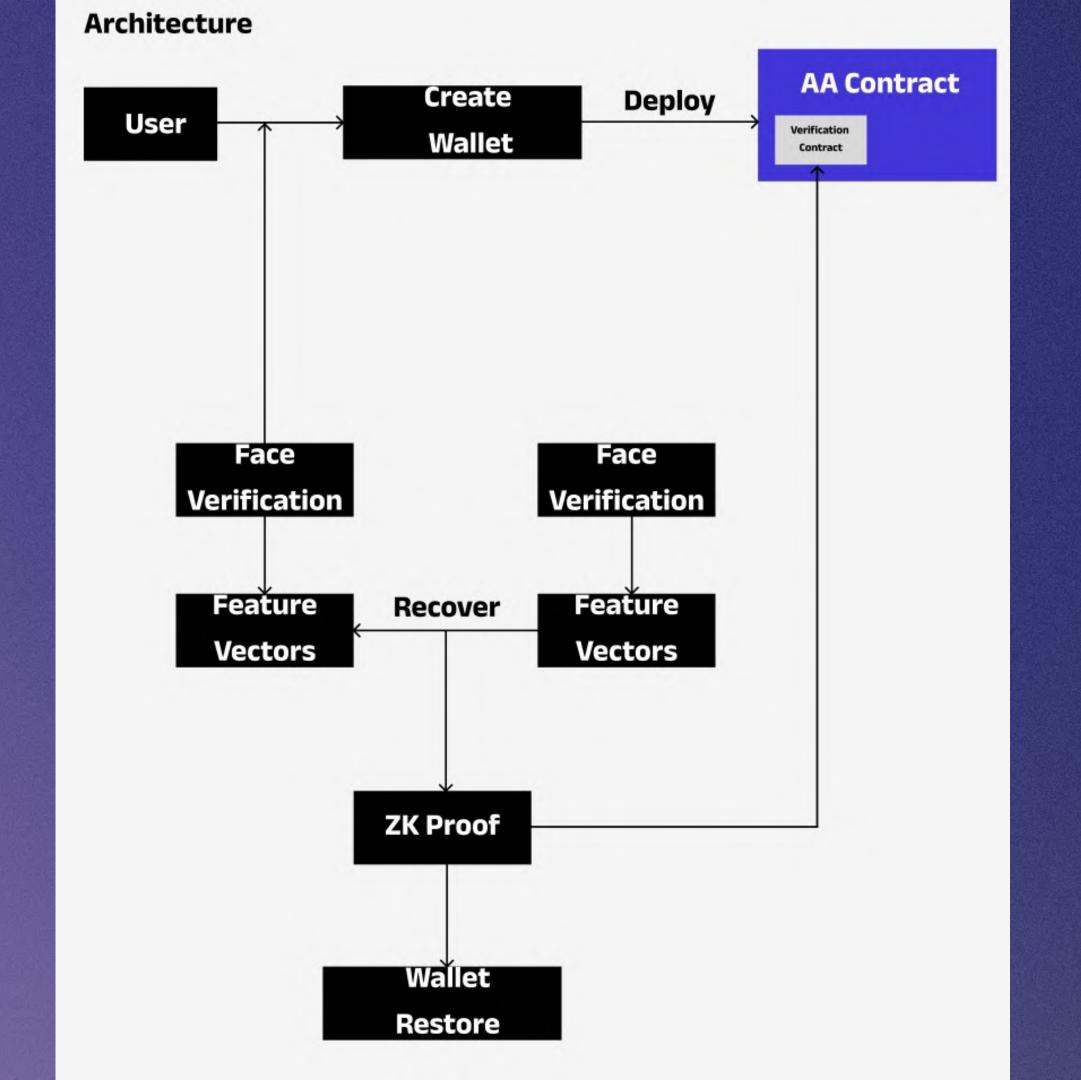














Message to Sepolia Status: Pending



Origin Transaction ②



**Destination Transaction** (?)



Chain: Moonbase Alpha (1287)

0x58e864c1084bd61c7a836c4c284aa4... Tx hash:

0xccc05d9631e7b0f1e5629a62e79a9f1c... From:

1hour ago (5:13:48 AM 5/26/2023) Time:

4418023 Block:

View in block explorer



Checking delivery status and inspecting message





Sent

Waiting for origin transaction



Finalized: 12 sec

Origin transaction has sufficient confirmations



Validated: 5 sec

Validators have signed the message bundle



Relaying: 19 sec

Destination transaction has been confirmed



Identifer:

Sender:

0xe56e350f268b6760a5abbbfb52d5ac8e051d205...

0x209ccdbe13bb913104117b1d6f7801684e98fa1f

8453

Nonce:

Recipient: 0xb057fb841027a8554521dccdec3c3474cac99ab5



Message Details ?

Message Content:

Hex ▼



#### Milestone

#### **Proof Optimization**

0

Verifying a proof on EVM chain is costly. Optimize zk circuits or move off chain.

#### **ZK Face Wallet on Substrates**

0

Integrate on substrate natively

#### Desktop availability

0

Make it available on browsers.

Make proof generation

available on Wasm

#### Faster proof time

0

Optimize for faster prove generation with halo2



## Thank you.



