

uPort

universal identity platform



devcon two



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Rouven Heck



Current Challenges

Key management

User experience for 'average Joe'

dApps via mobile

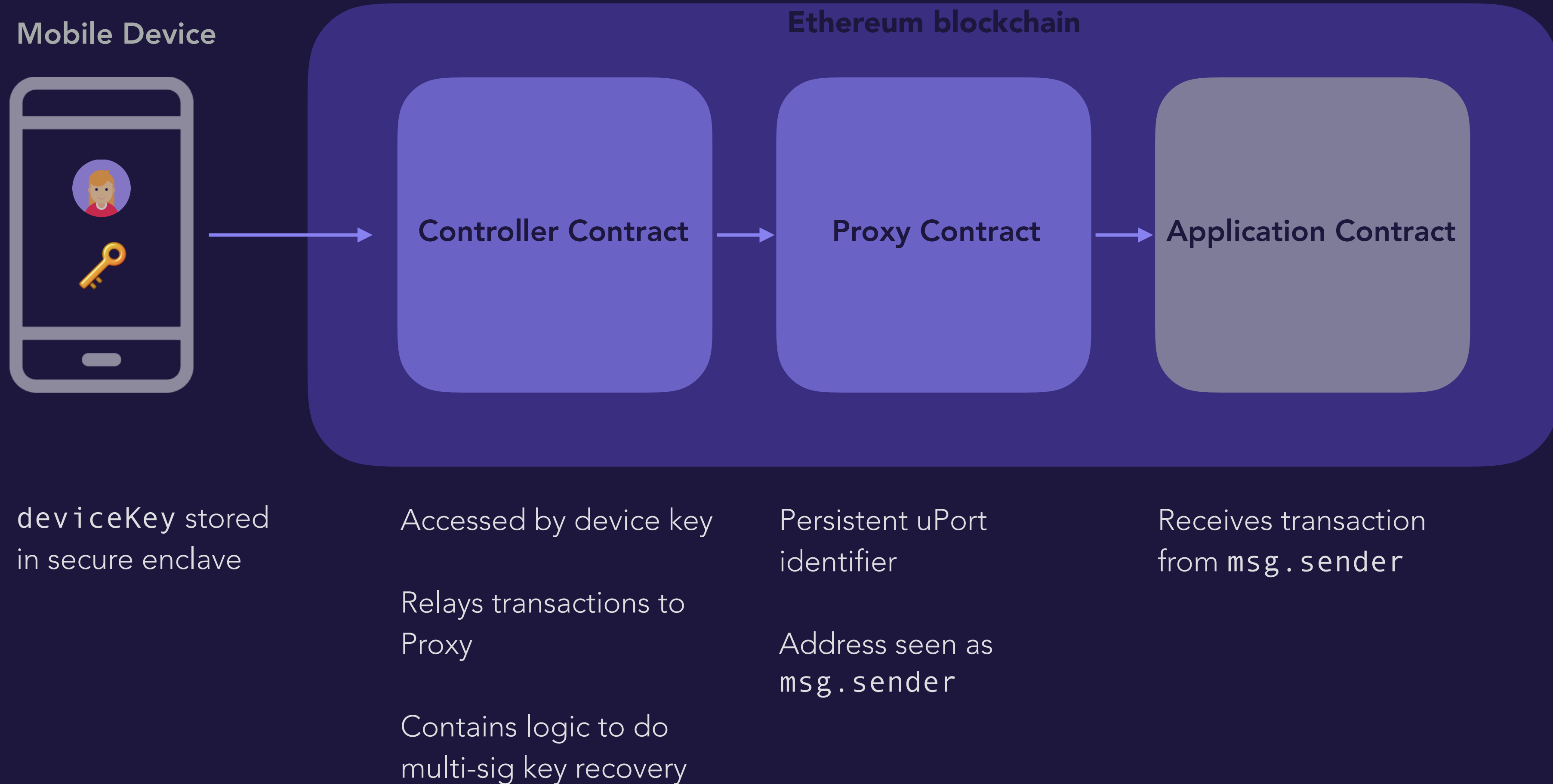
Identity and data ownership

Design Goals

Build a form of universal identification that is self-sovereign, reputation-based, and easy-to-use.

- 1 Provide secure key management for everyday users
- 2 Provide a persistent identifier
- 3 Link attributes and attestations to identifier

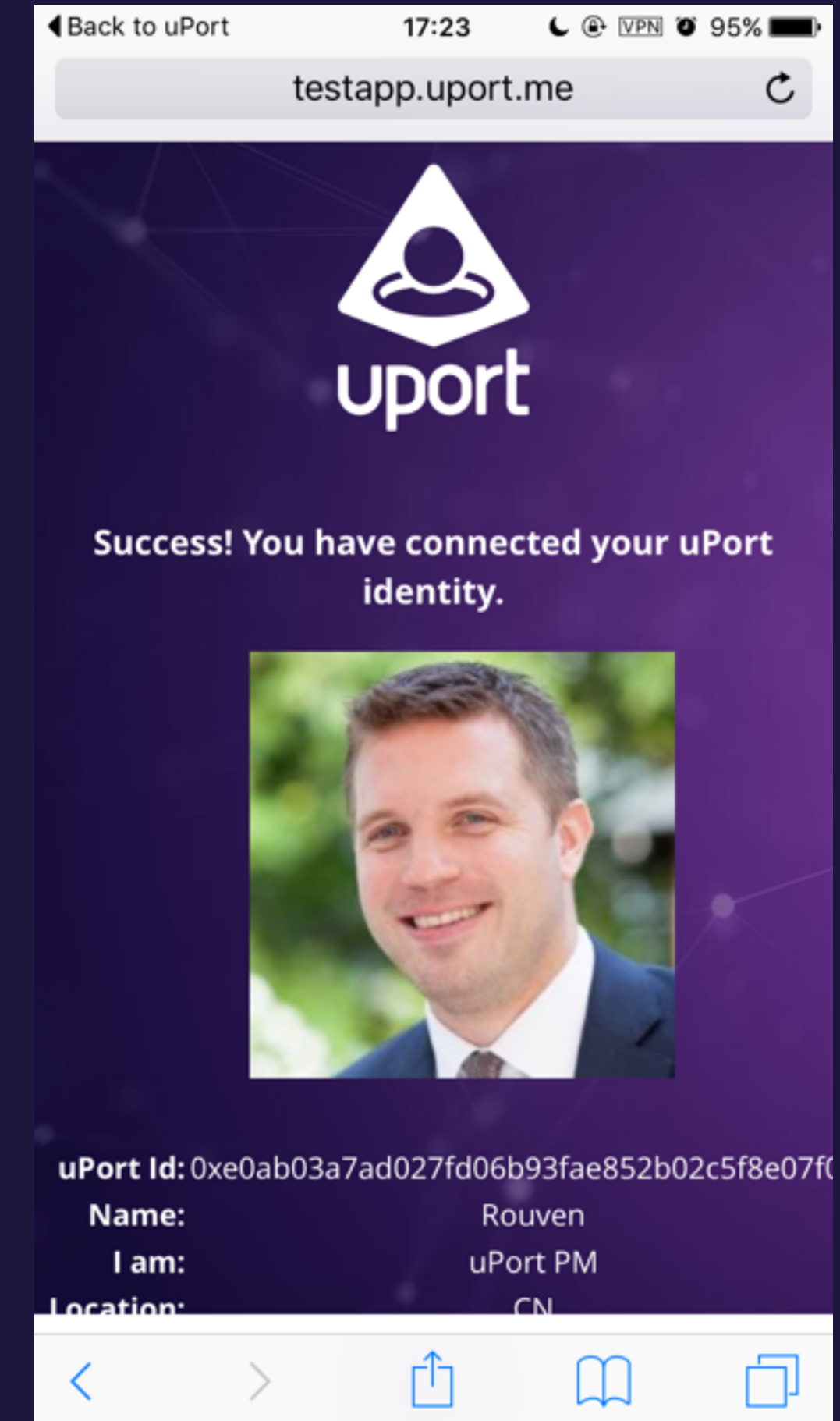
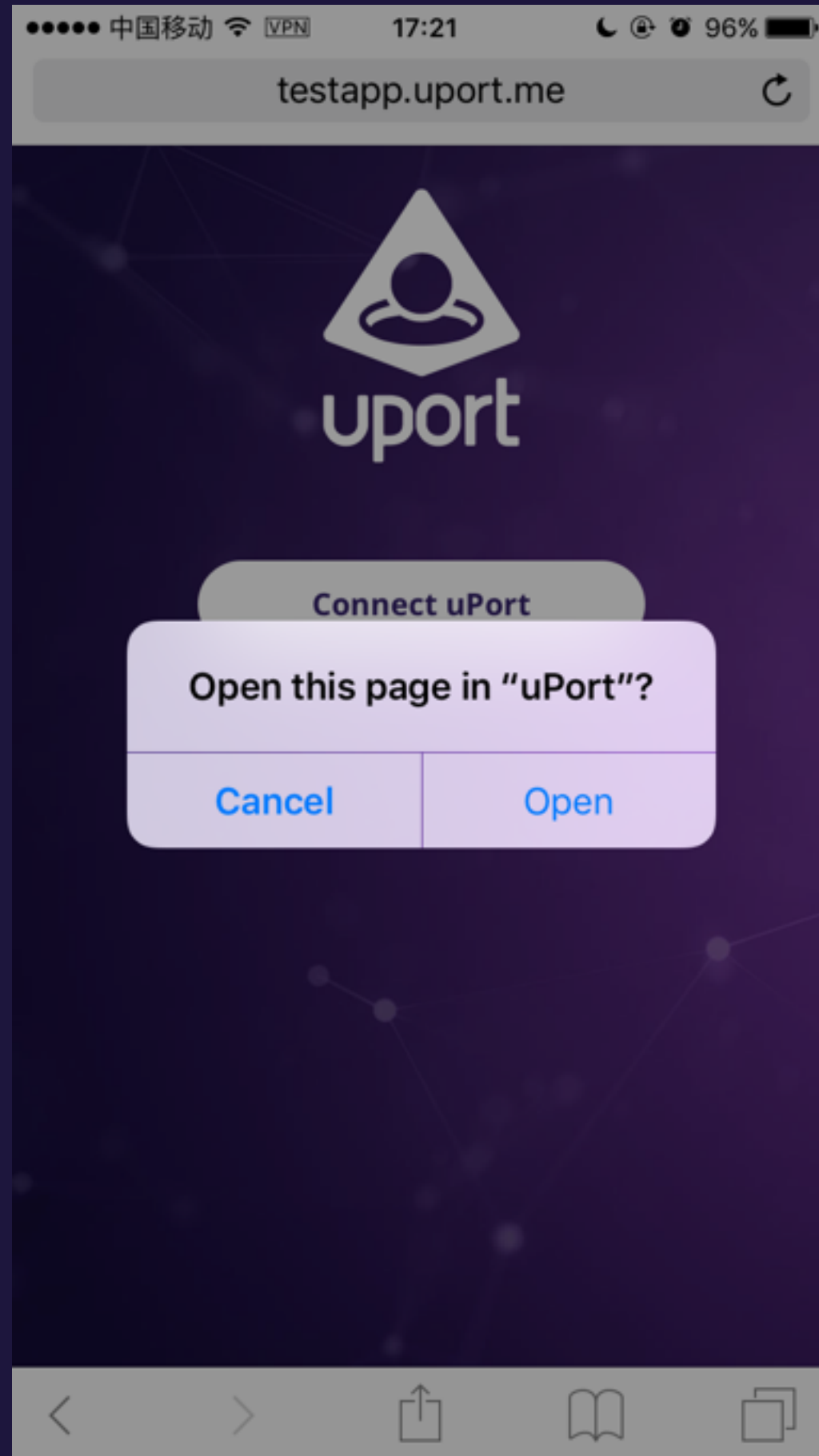
Design Overview



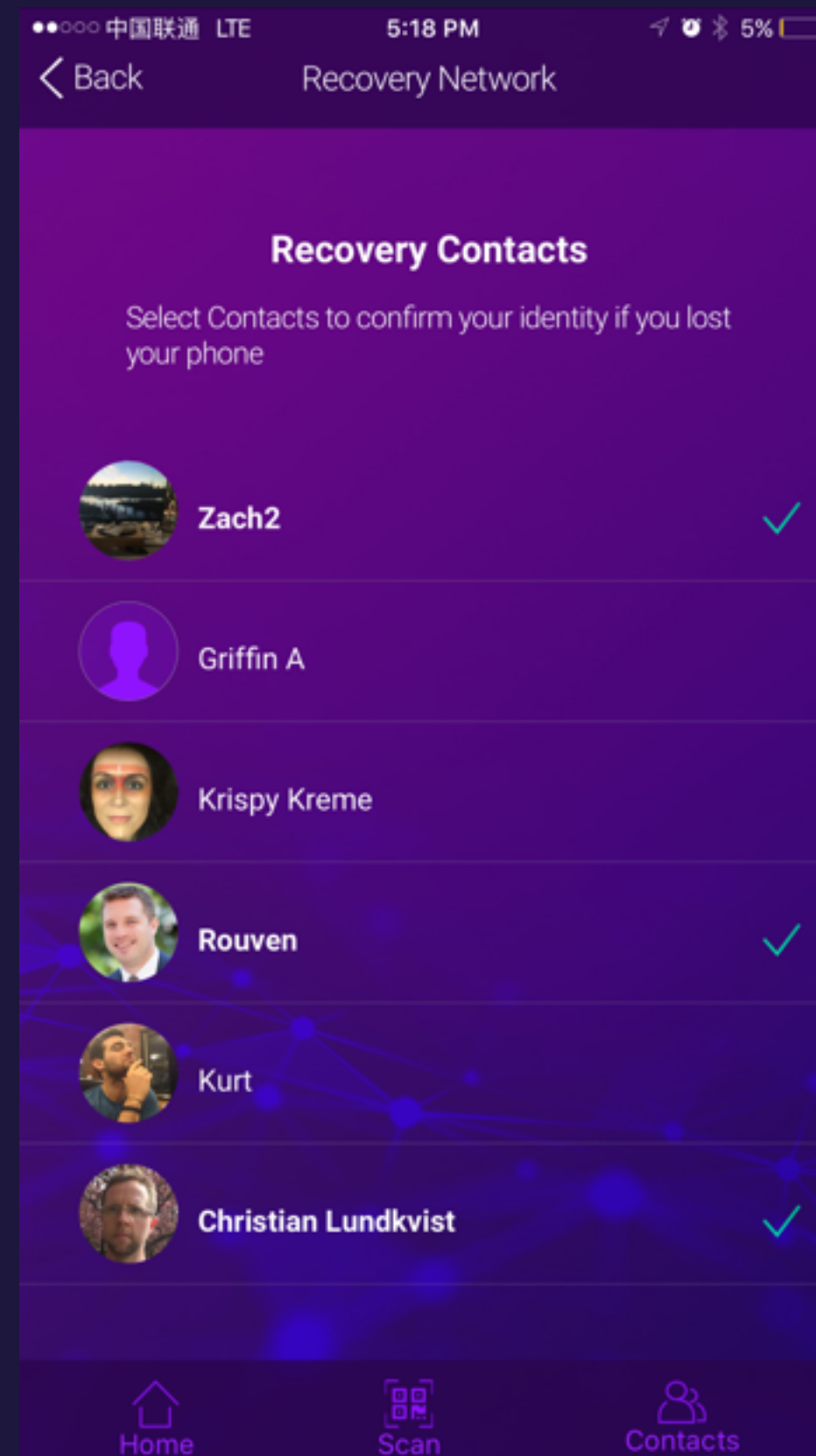
DEMO



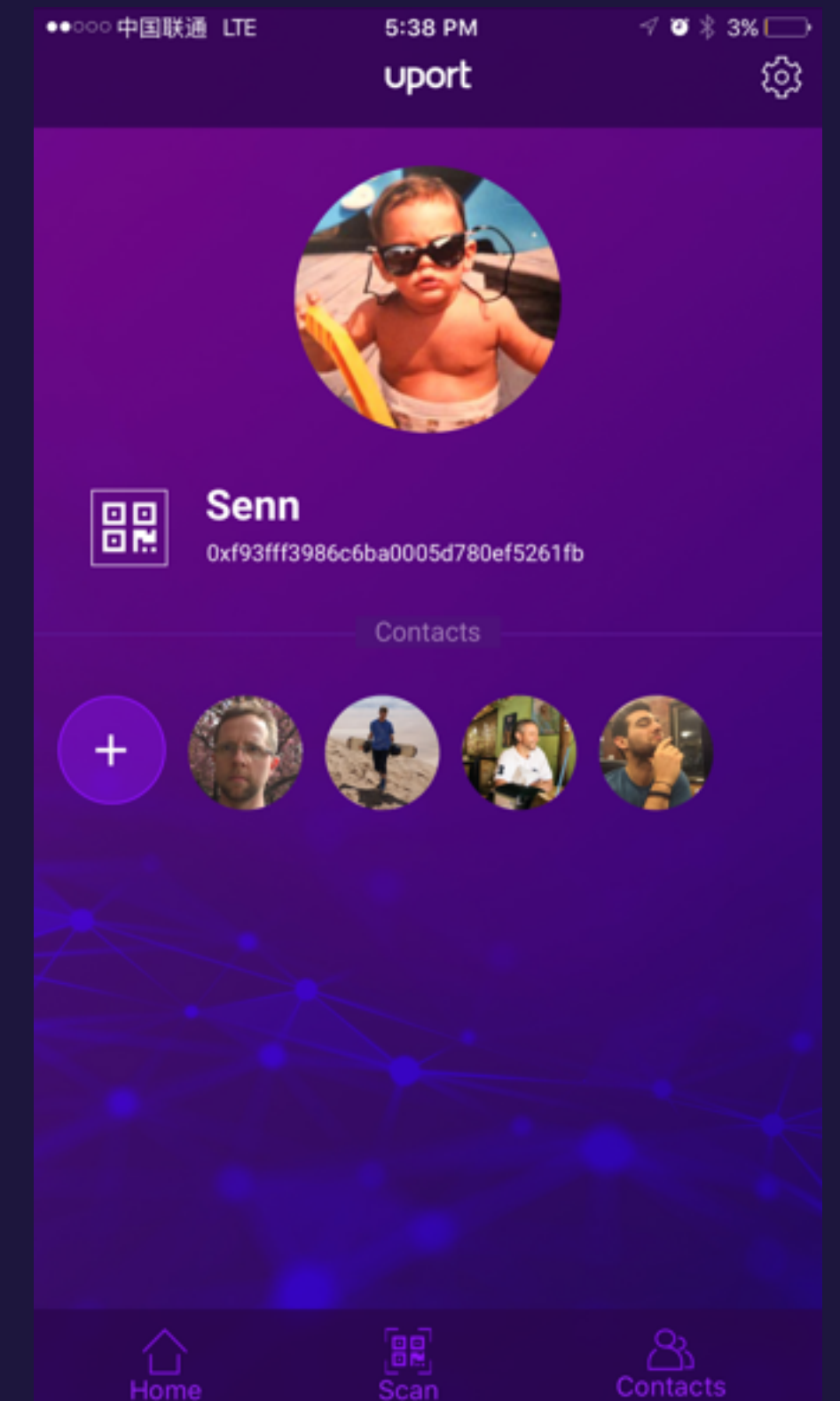
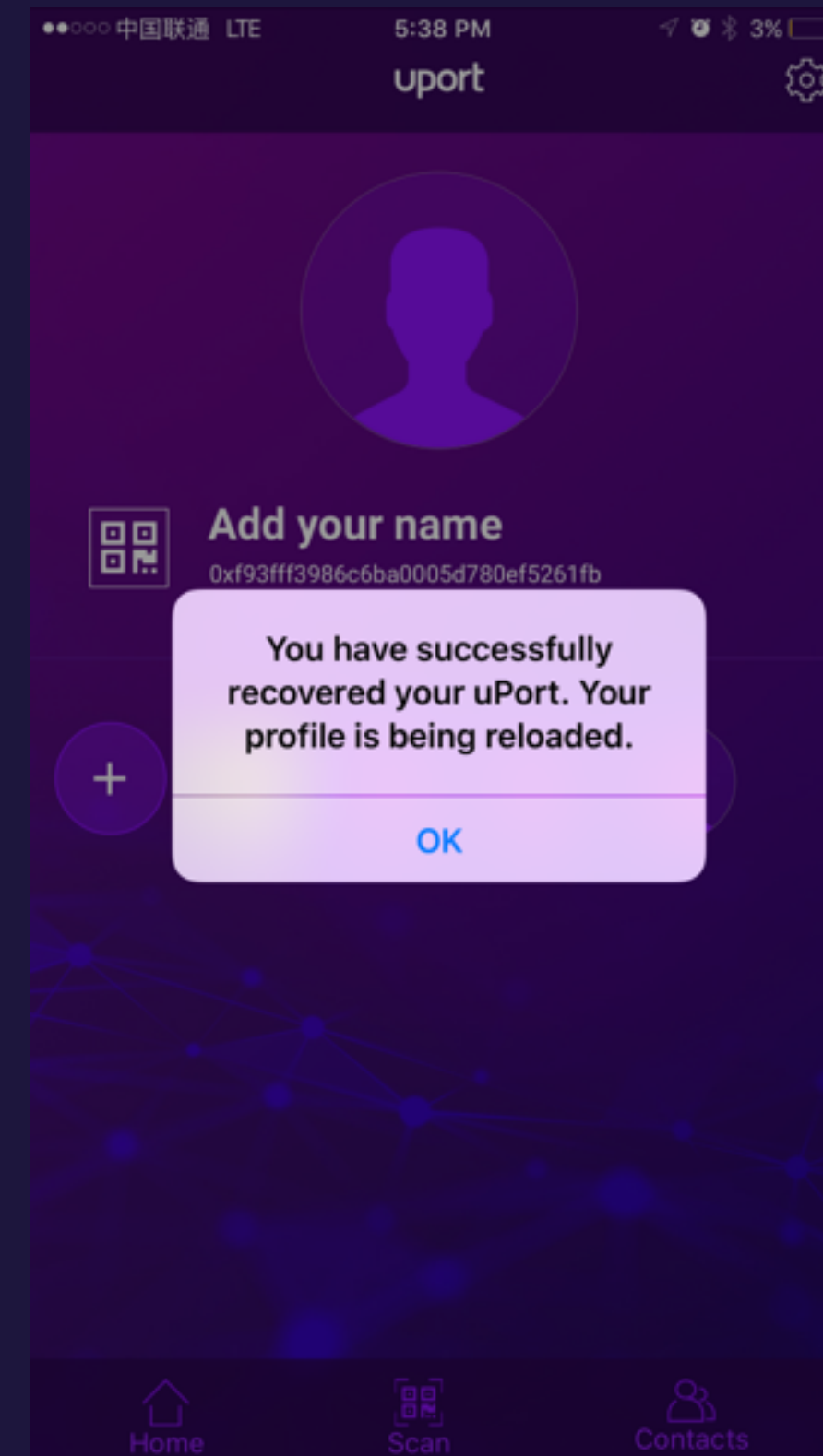
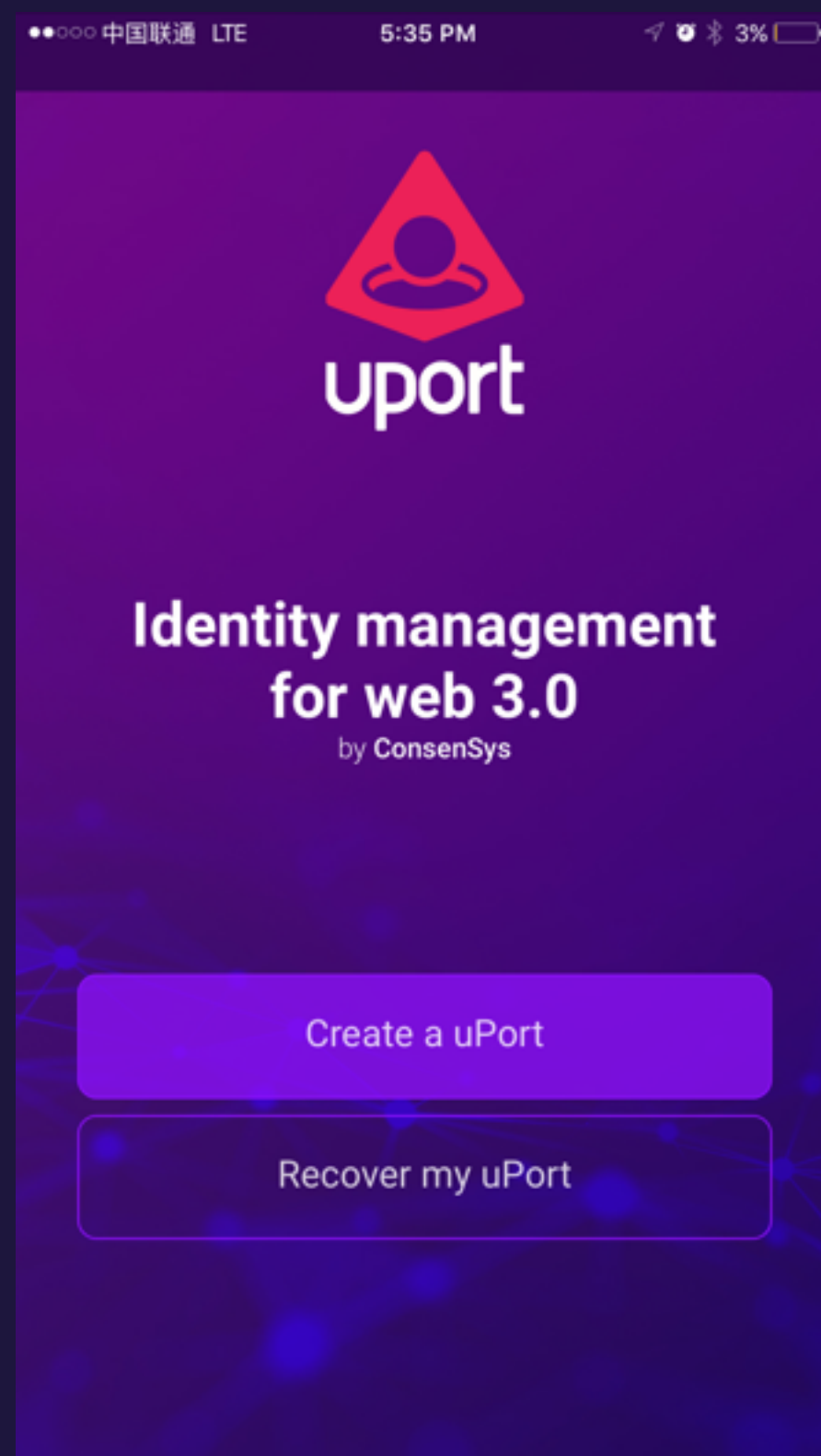
Mobile dApp integration



Social Recovery



Social Recovery



Vision and Roadmap

Privacy

Multiple personas, Selective disclosure,...

Protection

Recovery options, Hierarchical key access,
Verified contracts...

Experience

Smart guidance, Automated signatures,...

Business

Integration, Entity identities,...

Simple developer integration

- Use standard web3 paradigm
- Drop in uport web3 provider
 - getAccounts - triggers uPort Connect
 - sendTransaction - triggers transaction signing
- Generates QR codes and interfacing with mobile
- Further customize for deeper integration

```
////////////////////////////////////  
  
// App Setup  
let rpcUrl = "https://consensysnet.infura.io:8545";  
let Uport = window.uportlib.Uport;  
let web3 = new Web3();  
  
// App options  
let options = {  
  ipfsProvider: {  
    host: 'ipfs.infura.io',  
    port: '5001',  
    protocol: 'https',  
    root: ''  
  }  
}  
  
let uport = new Uport(appName, options)  
let uportProvider = uport.getUportProvider(rpcUrl)  
web3.setProvider(uportProvider)  
  
////////////////////////////////////
```

Find us here

GitHub:

<https://github.com/ConsenSys/uport-registry>

<https://github.com/ConsenSys/uport-lib>

<https://github.com/ConsenSys/uport-persona>

- **Whitepaper (work in progress)**

<https://uport.me/whitepaper.pdf>

- **Developer Beta - mobile app (Access code: devcon2)**

iOS: <https://uport.me/devbeta>

Android (soon): android@uport.me

- **Gitter**

<https://gitter.im/ConsenSys/uport-lib>

talk to us @ DevCon

- Christian @ChrisLundkvist
- Pelle @PelleB
- Greg @gbugyis
- Joel @oed_earth
- Michael @somemikesena
- Thessy @ThessyMehrain
- Andres @ajunge_m
- Jeff @jeffscottward
- Zach @zachferland
- Zac @VoltzRoad
- Aldi @AGjoka
- Rouven @rh7

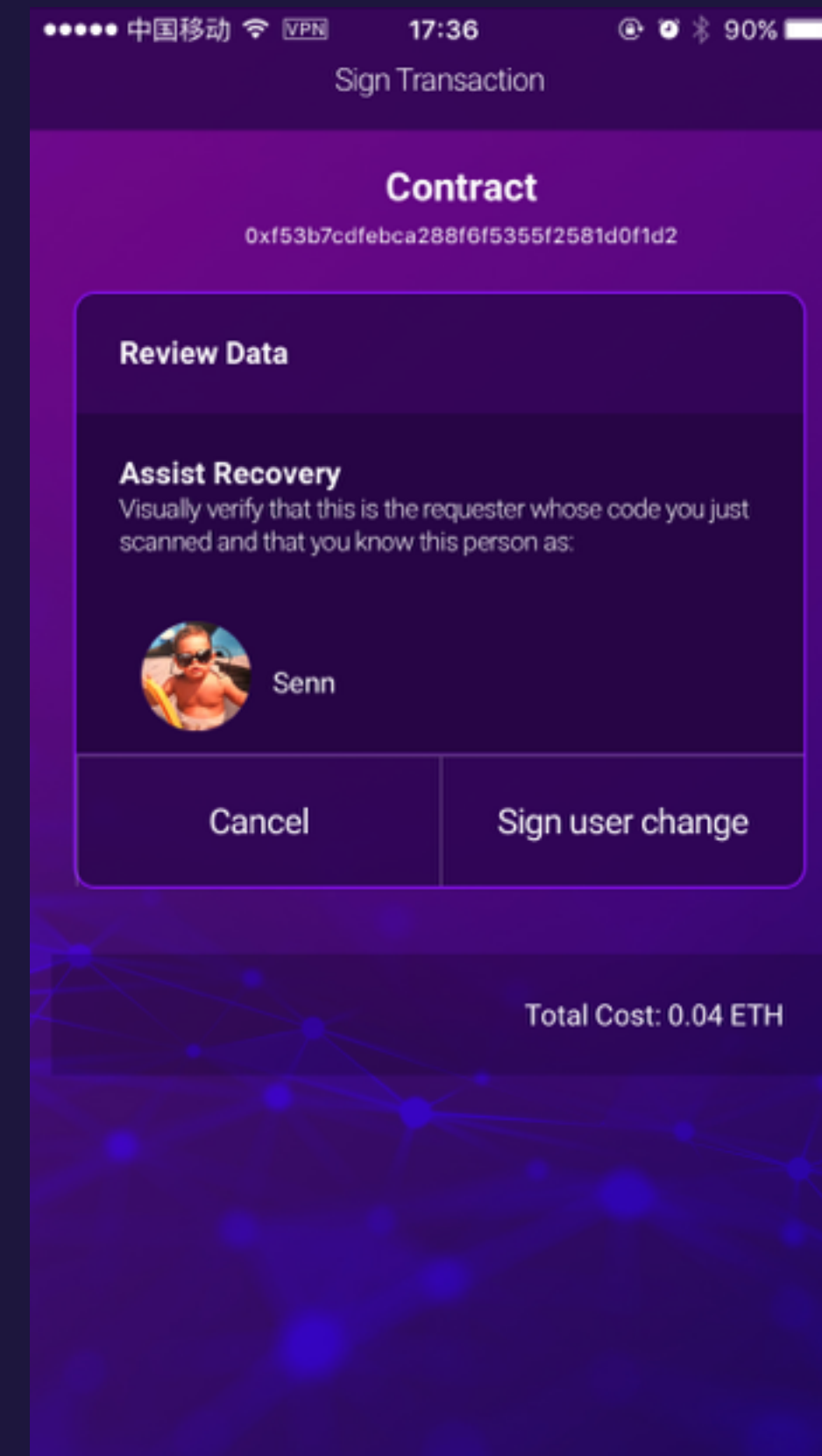
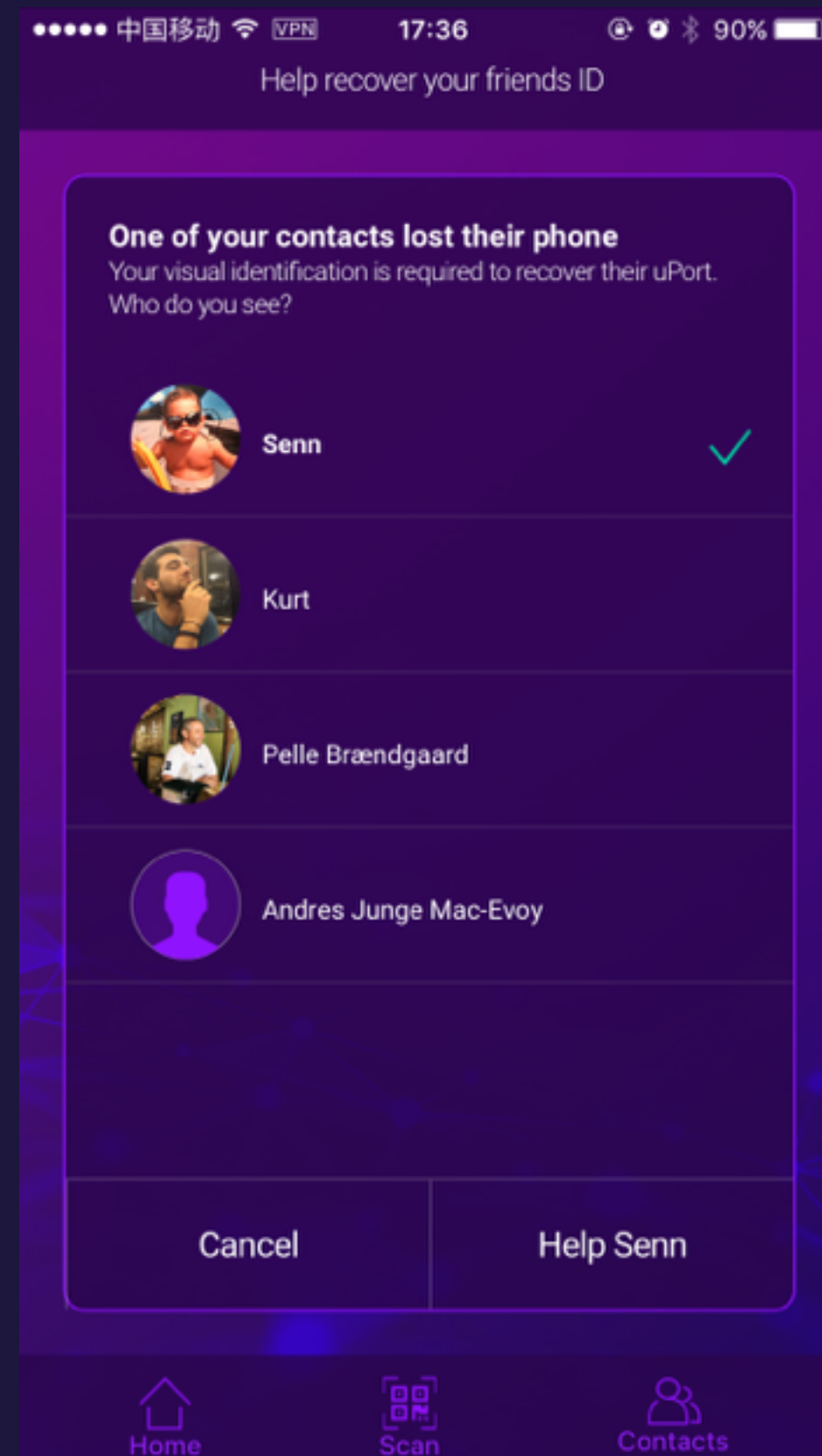


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Backup



Social Recovery



Registry Contract

ties off-chain attributes to the identifier

