

Incognito mode for crypto.

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THE NEW INTERNET

We now live in a token economy.
Everything is being tokenized. Fiats.
Gold. Bond. Storage. Computing
Power. Digital Art. Collectibles.
Buildings. More.

PROBLEM

The biggest threat to this new token economy is the lack of privacy. Current blockchains display all transactions publicly — so anyone can see your balances or track your activity.

SOLUTION

Incognito mode for crypto. Incognito is a privacy blockchain that lets anyone

1. send, receive and store public tokens — like BTC, ETH and DAI — confidentially.
2. create their own privacy tokens.

The tech stack

Incognito embraces a full-stack approach to decentralized privacy, reimagining technology at every layer.

App Layer



Zero-Knowledge Proofs built from scratch, optimized for mobile

Data Layer



Bulletproofs and RingCT for confidential transactions

Network Layer



State-sharding Proof-of-Stake consensus using pBFT and BLS

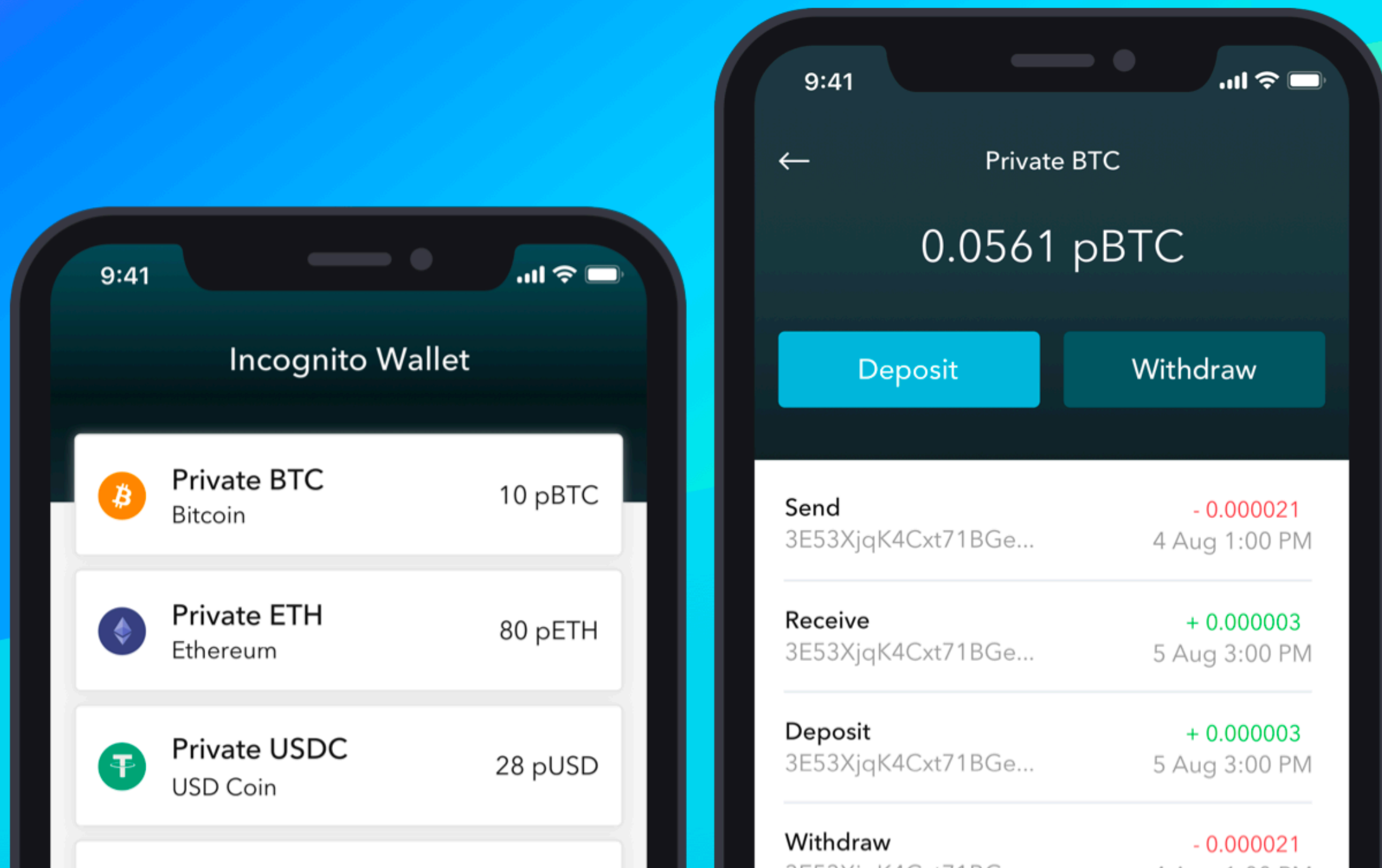
Physical Layer



Low-cost, energy-efficient, plug-and-play mining device for every home

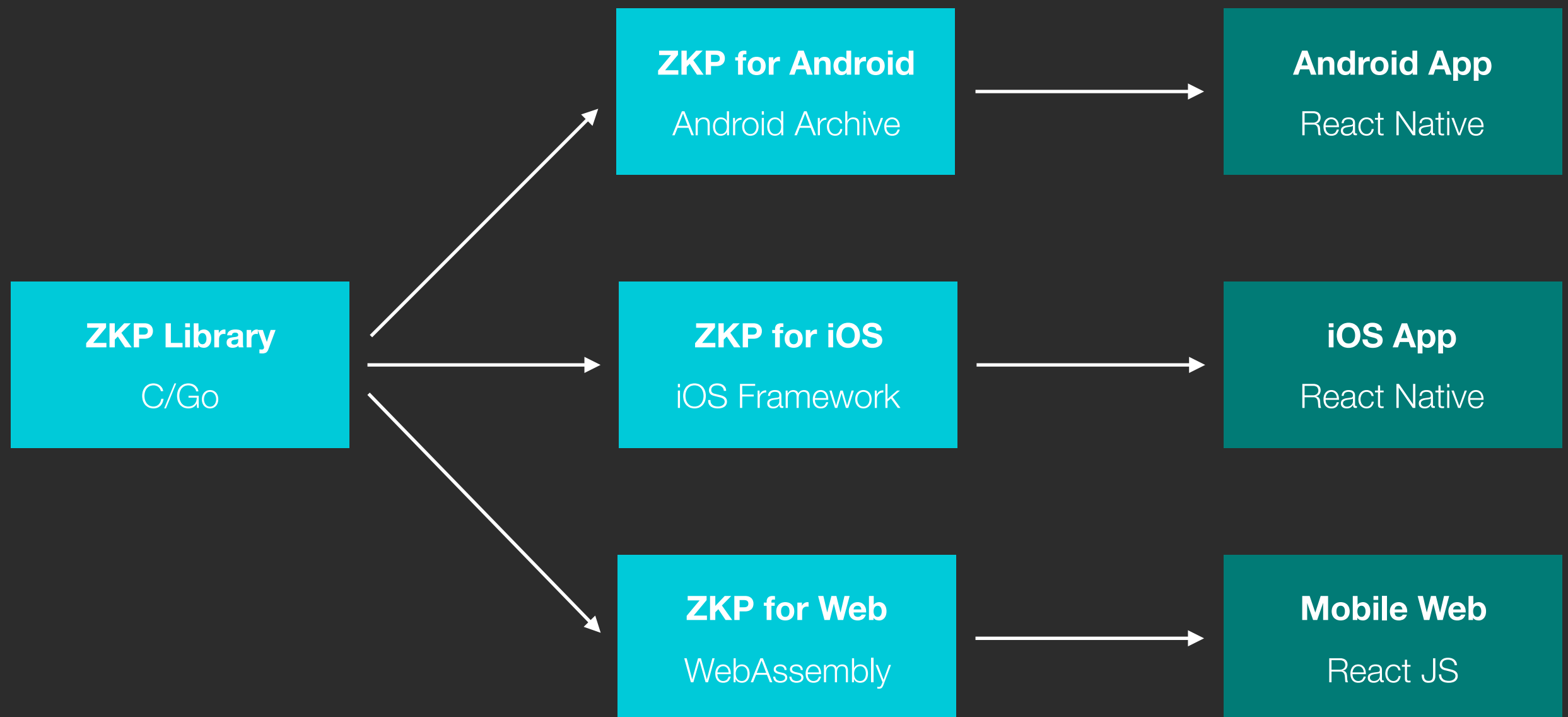
App Layer → Data Layer → Network Layer → Physical Layer

Mobile first. Secure and fast.



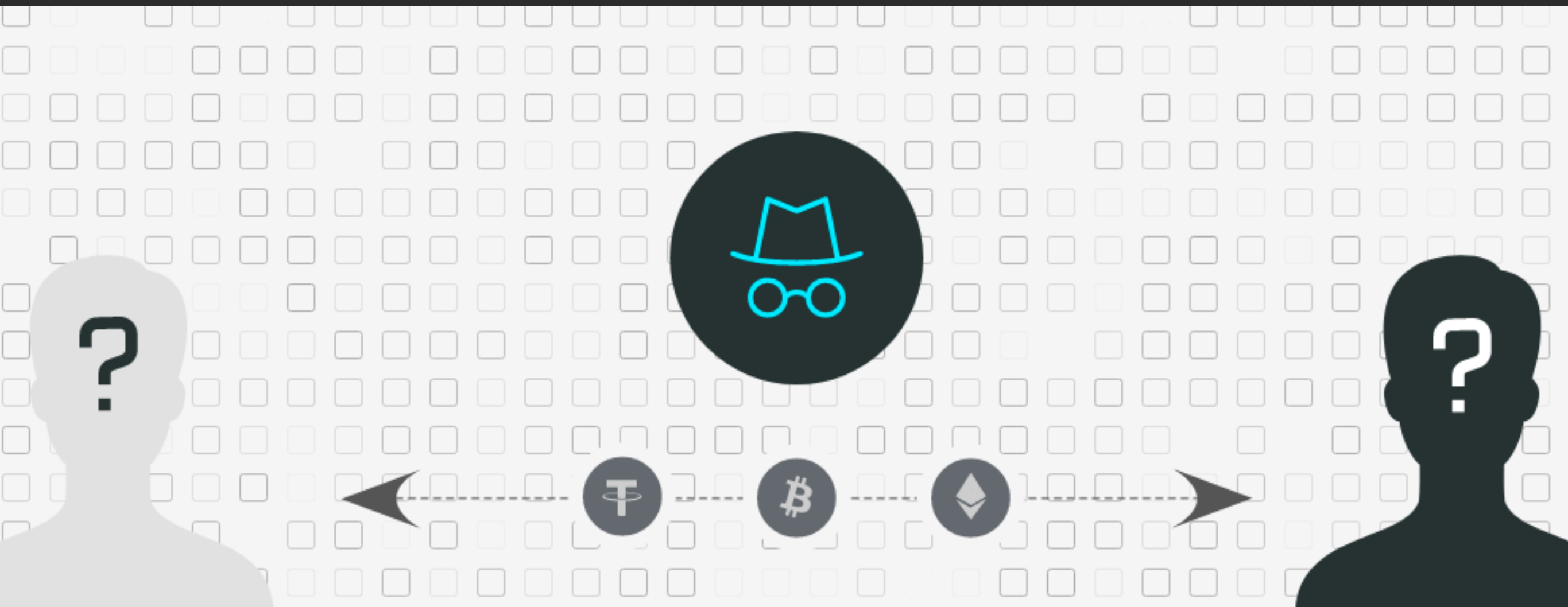
App Layer → Data Layer → Network Layer → Physical Layer

Zero-Knowledge Proof on mobile is built from scratch to send private transactions under 15 seconds.



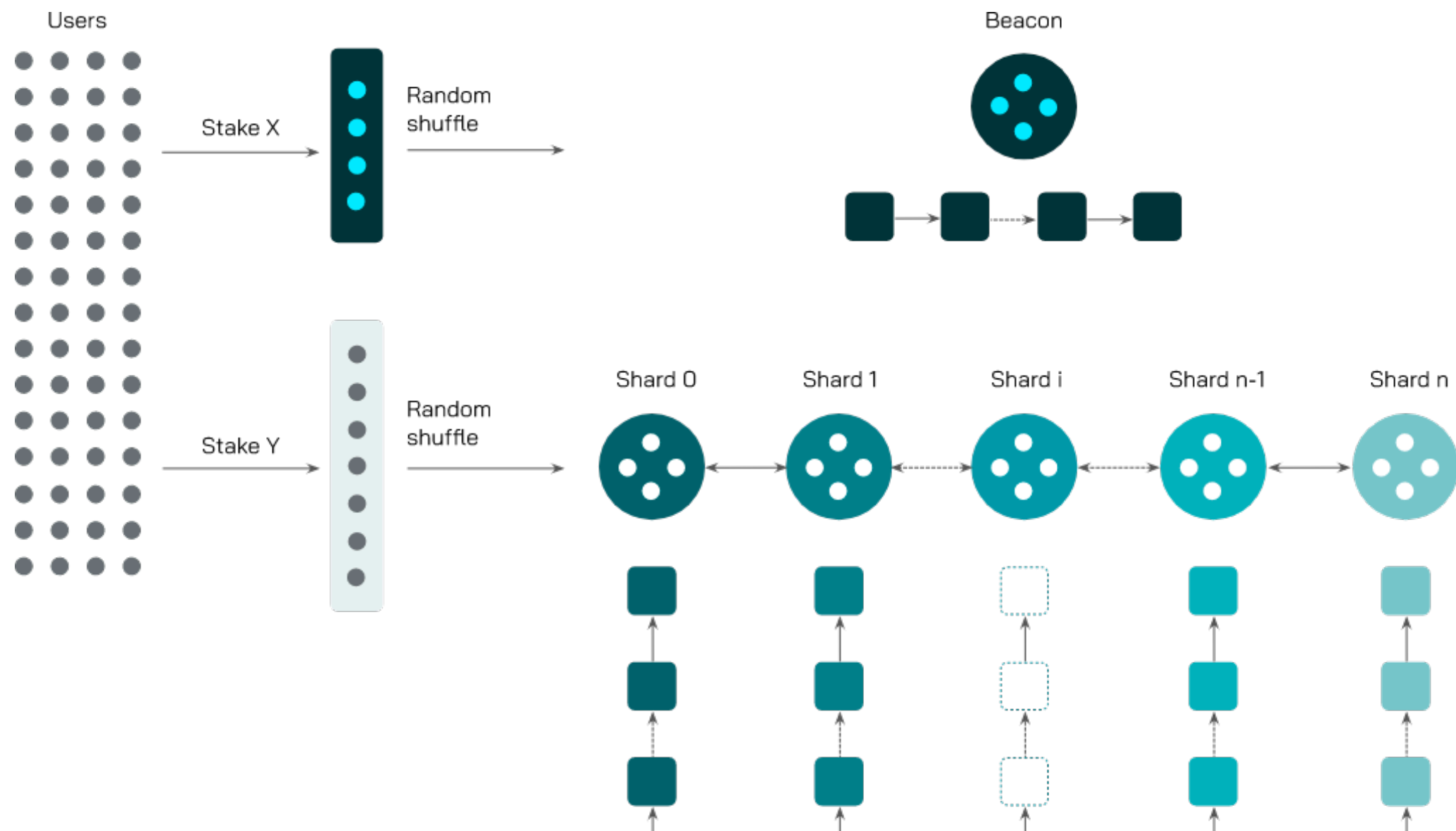
App Layer → Data Layer → Network Layer → Physical Layer

Private transactions with zero-knowledge proofs, ring signatures, stealth addresses and confidential transactions to mask the sender, receiver and transaction amount.



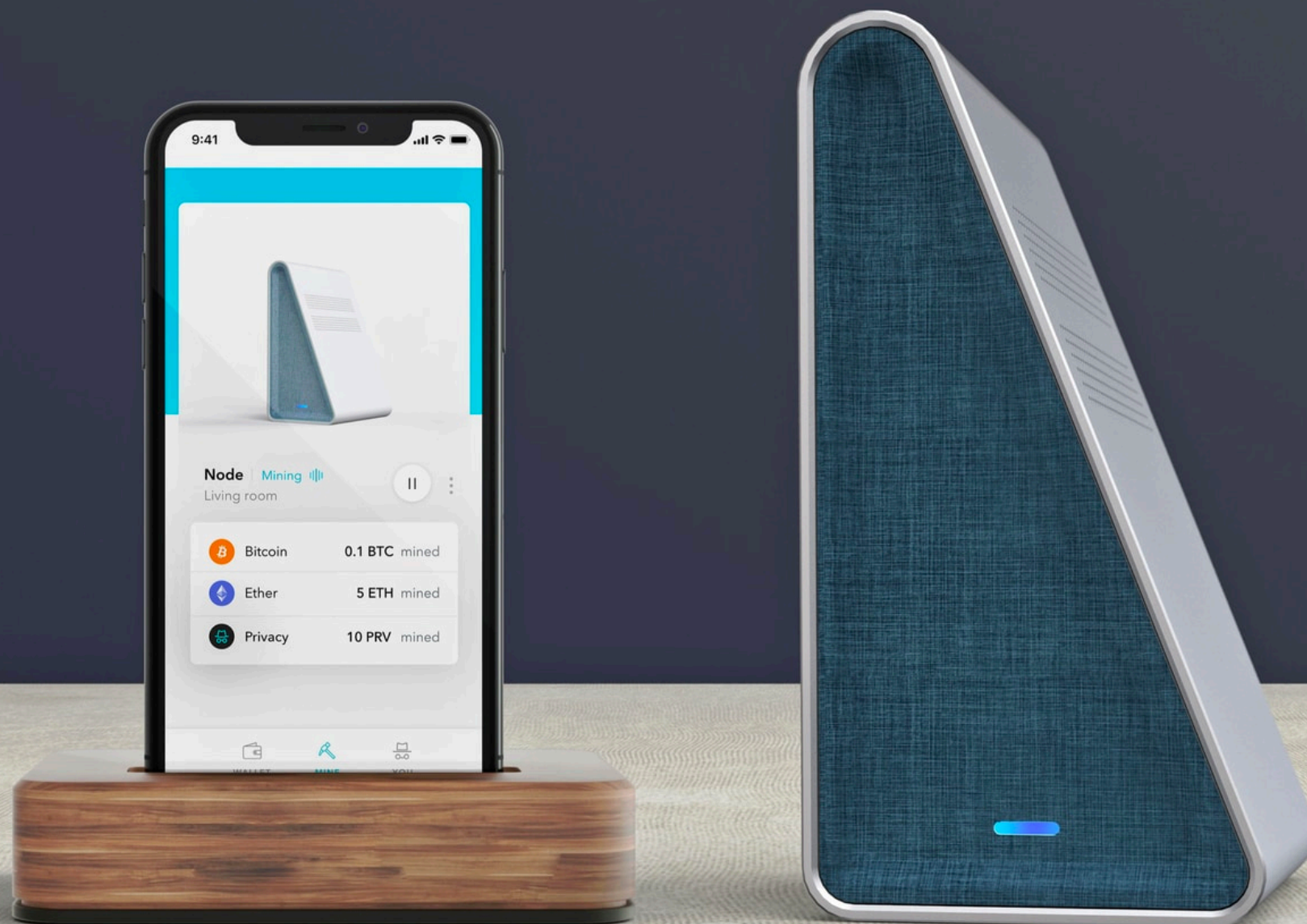
App Layer → Data Layer → Network Layer → Physical Layer

A high-throughput proof-of-stake sidechain,
made possible by the implementation of full
sharding.



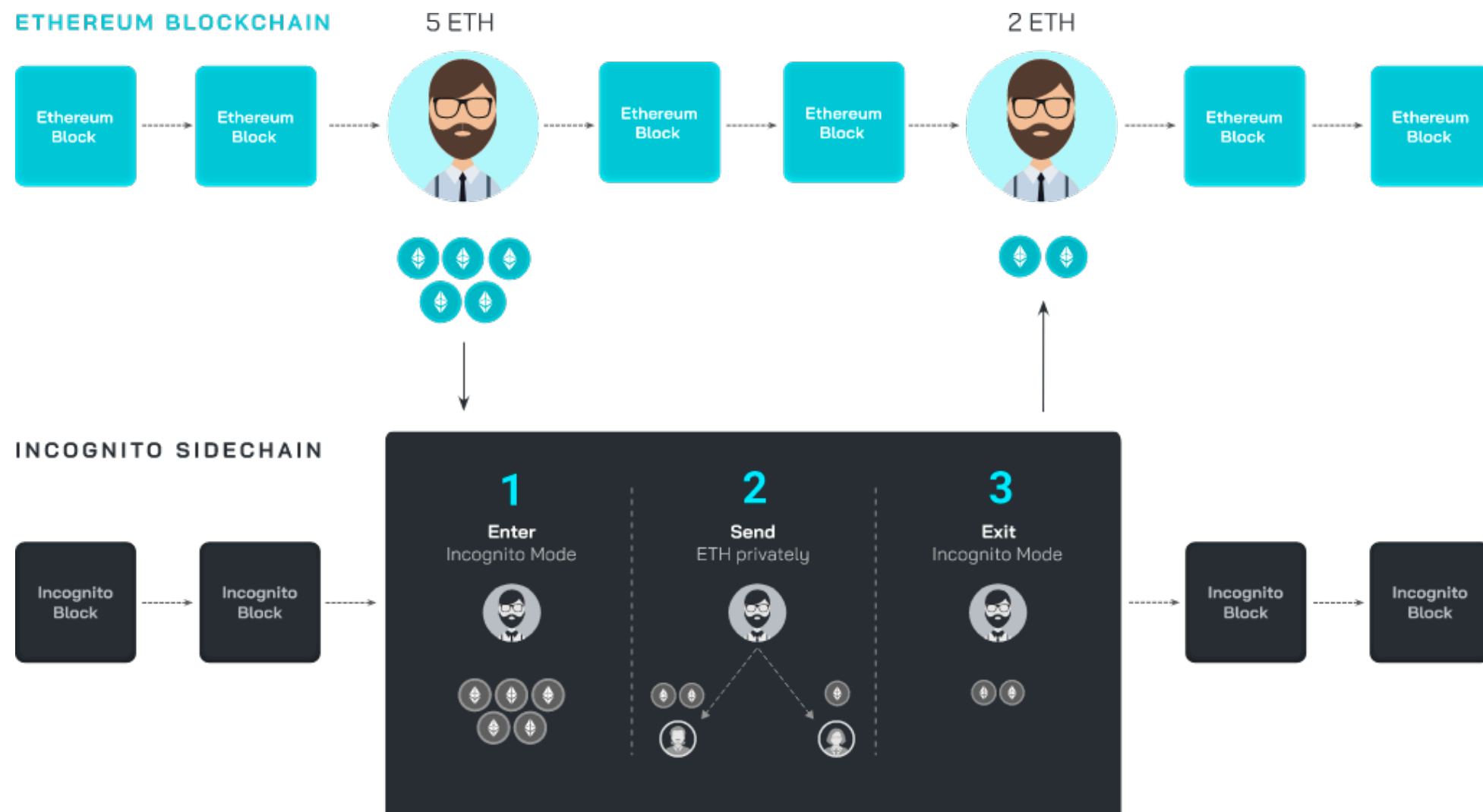
App Layer → Data Layer → Network Layer → Physical Layer

A plug & play little gadget that powers the Incognito network and earns rewards for validating private crypto transactions.



Bridges

Incognito can attach to any blockchain — like Bitcoin, Ethereum, and Binance — to confidentially transfer tokens.

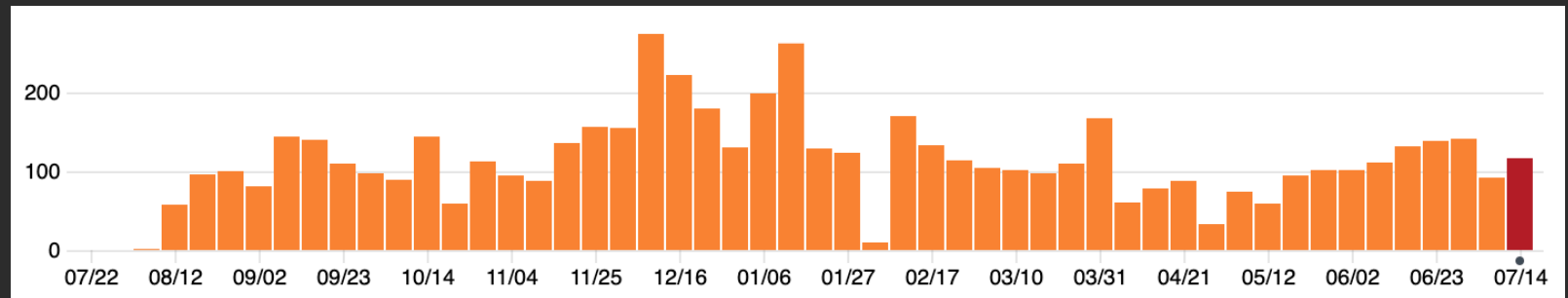


Open source

Incognito in total has 12,000+ commits and 1M+ lines of code in 14 public Github repos since August 2018.

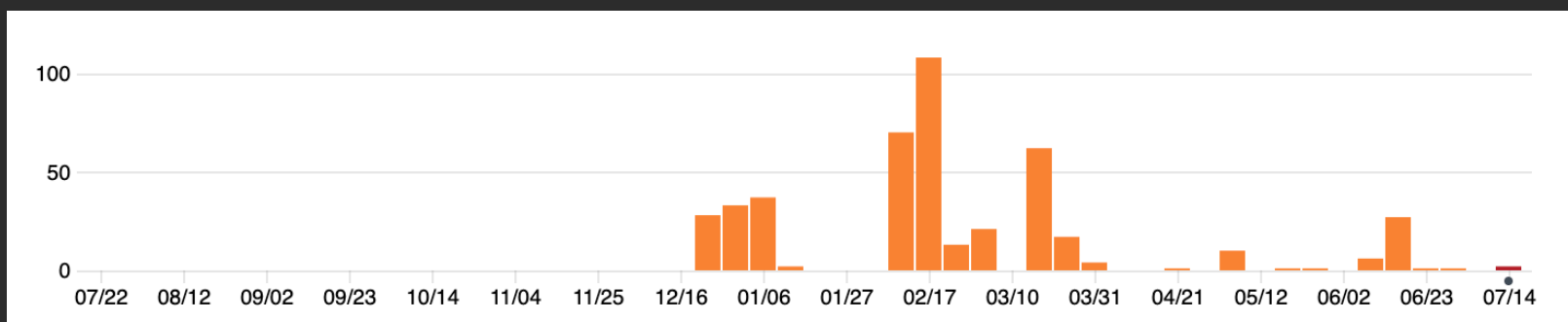
[Incognito Blockchain](#)

687,119 lines of code
7,957 commits
26 contributors



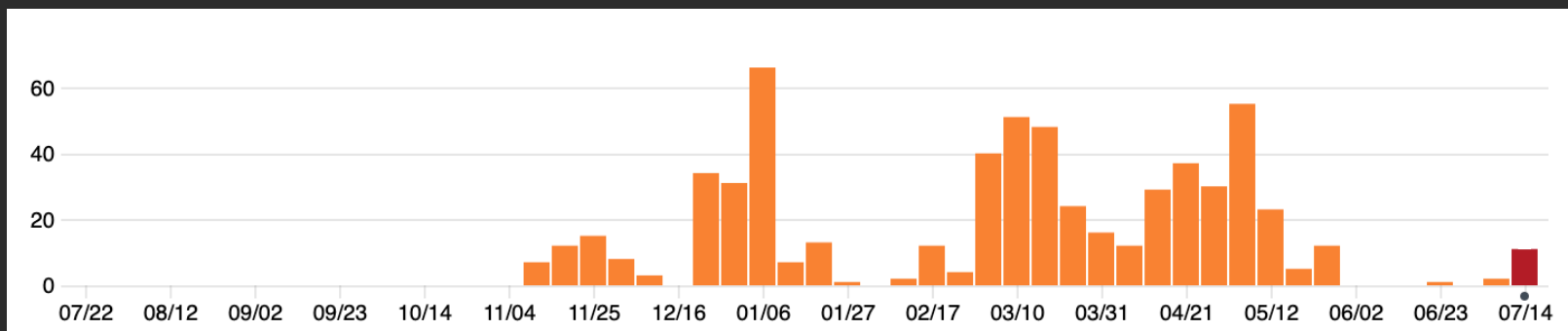
[Zero-Knowledge Proof on Mobile](#)

89,273 lines of code
588 commits
5 contributors



[Tools: Explorer, Faucet and more](#)

195,667 lines of code
700 commits
8 contributors



Development Progress

May 2018	Project kickoff Research, specs, and prototyping
Aug 2018	First commit into Github 12,000+ commits and 1M+ lines of code (as of July 2019)
Apr 2019	Internal Testnet With 1 beacon chain and 2 shard chains (4 nodes per chain)
Jul 2019	Public Testnet With 1 beacon chain and 8 shard chains (16 nodes per chain)
Oct 2019	Public Mainnet With 1 beacon chain and 32 shard chains (128 nodes per chain)
Nov 2019	Node Device Incognito's own mining device for everyone

Key members

A team of 30+ privacy nerds working together since May 2018.



Duy Huynh
Project Lead

Duy was the founder of Autonomous, which sold over \$100M of smart devices in its first 4 years in business. At age 19, Duy was a PhD student at the University of Maryland, working in the NASA High Dependability Computing Program. He was an ACM ICPC World Finalist and Computing Olympiad winner.



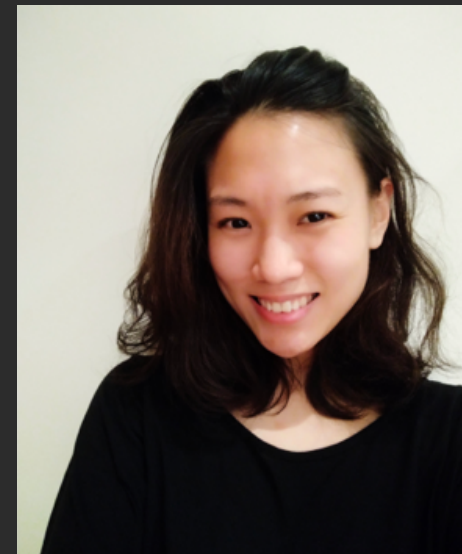
Prof. Thuc Nguyen
Cryptography Lead

Thuc is a professor of applied cryptography at the National University of Vietnam, where he founded the Department of Applied Cryptography and Computer Security. He leads the Decentralized Cryptography Research Group.



Prof. Dung Tran
Consensus Lead

Dung is a professor of distributed systems and game theory at the National University of Vietnam. He holds a PhD in computer science from the University of Texas.



Ning Tan
Community Lead

Ning was the head of growth at Constant, a crypto peer-to-peer lending platform. Ning has a Masters in Literature from the University of Oxford and a Masters in Philosophy from the University of Edinburgh.



Bao Le
Lead Developer

Bao leads the implementation of the Incognito blockchain. Prior to Incognito, Bao built highly scalable systems for Viettel Group, Vietnam's largest mobile network operator, where he scaled their infrastructure to serve 63M subscribers.

#GOINCOGNITO

A safer, better token economy is here.

POWER IT

Host a Virtual Node

Get a Node Device

USE IT

