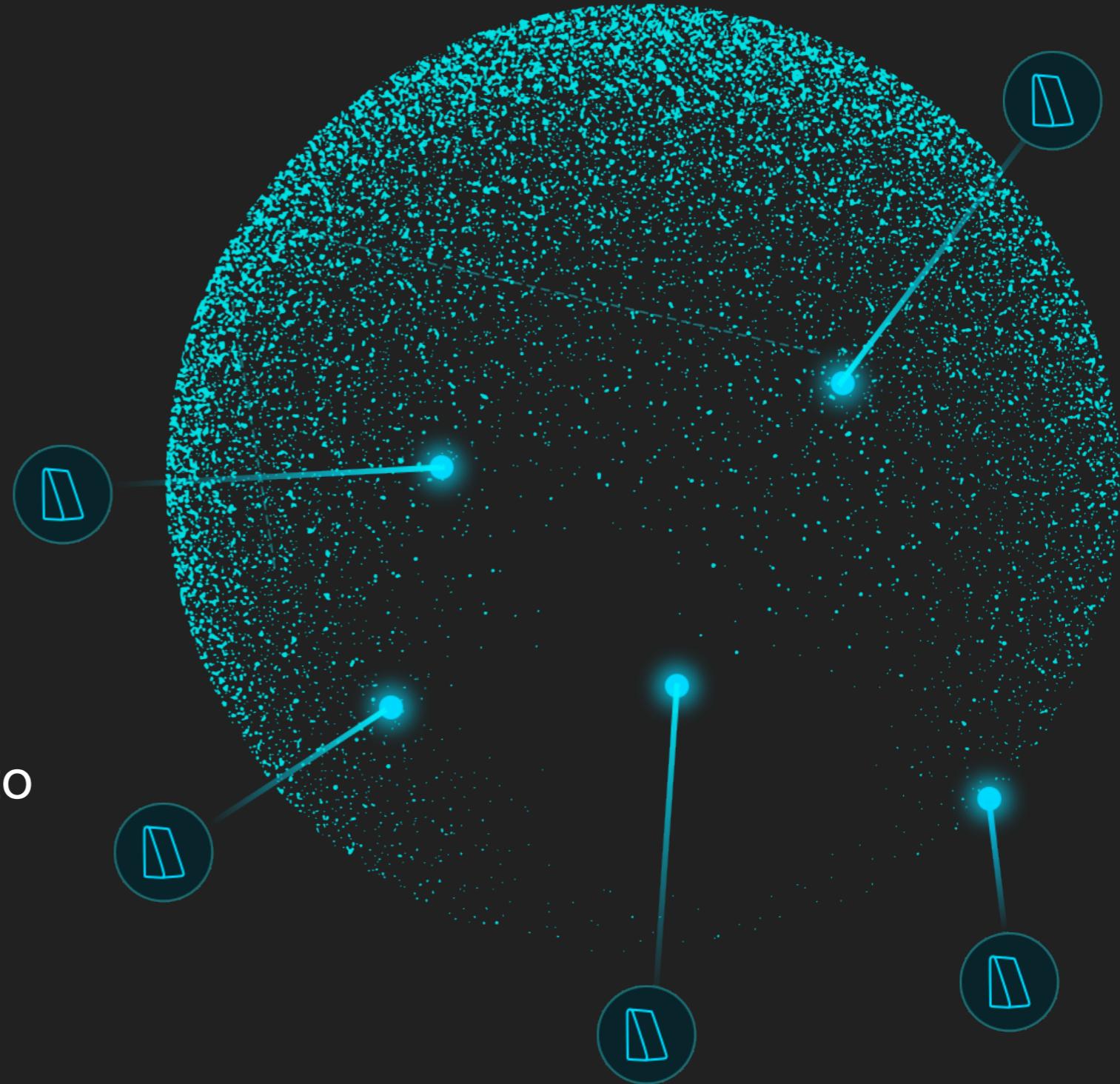




# Incognito

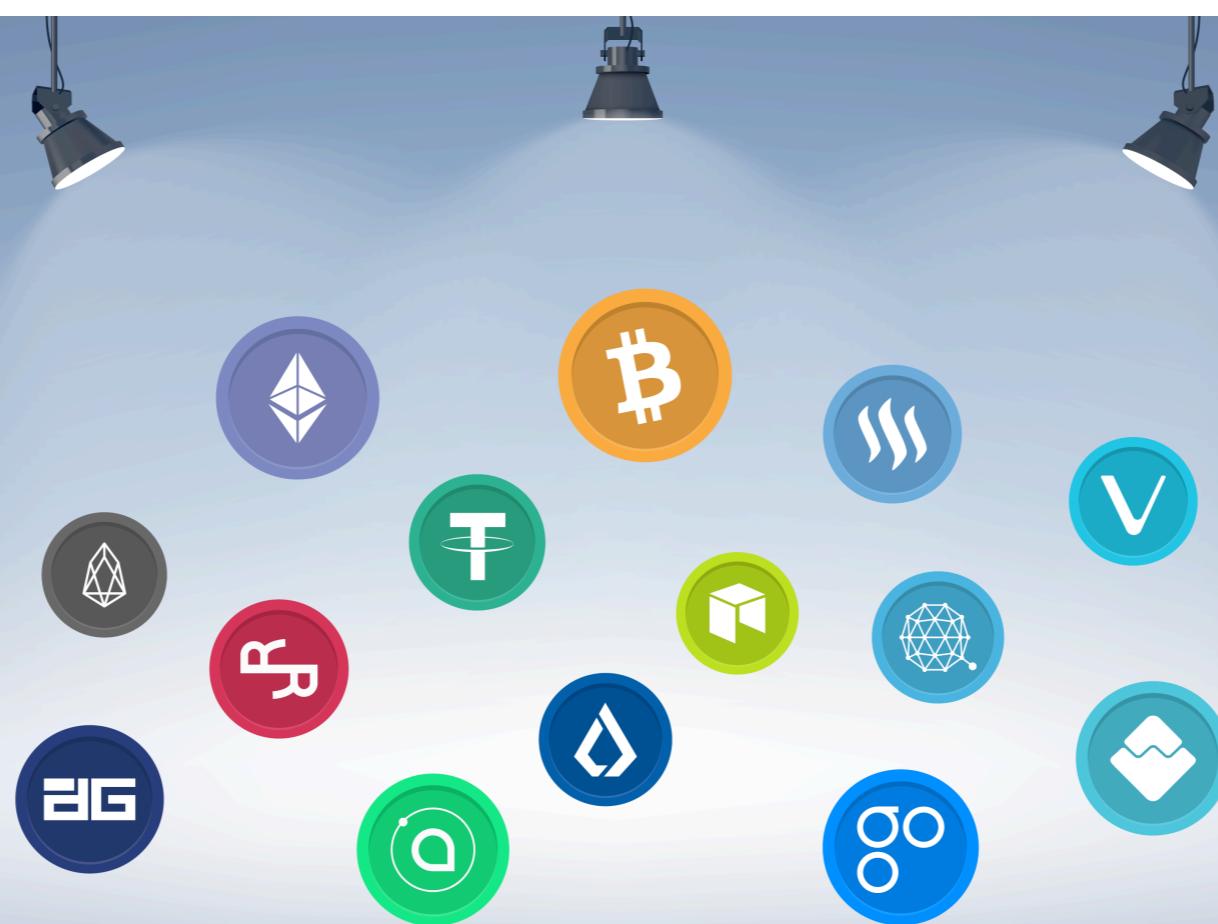
Incognito mode for your crypto

<https://incognito.org>



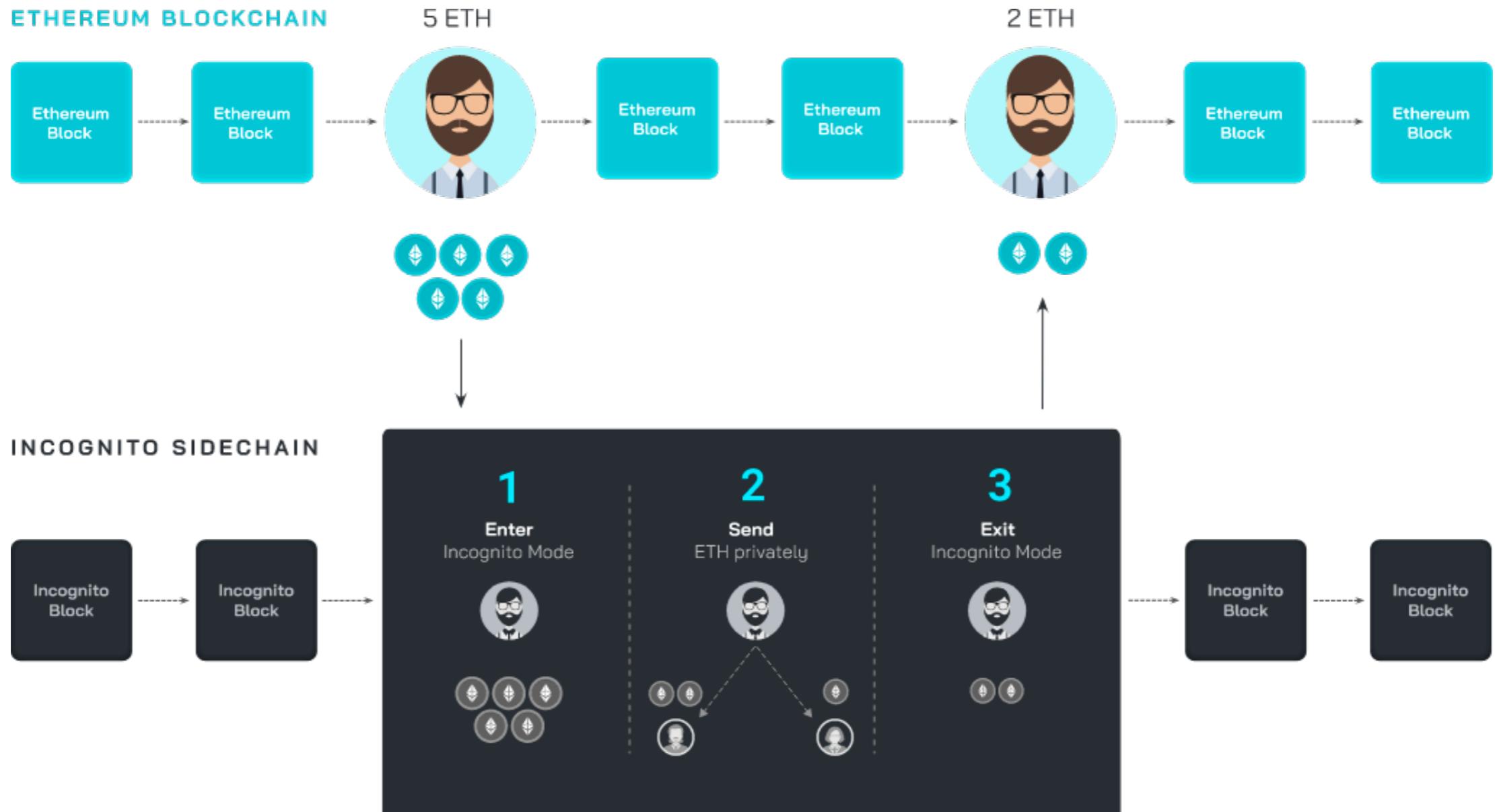
# Problem

Everything is being tokenized, and yet **no easy way exists to send, receive and store cryptoassets privately**. Current blockchains display all transactions publicly, so **anyone can see your balances or track your activity**.



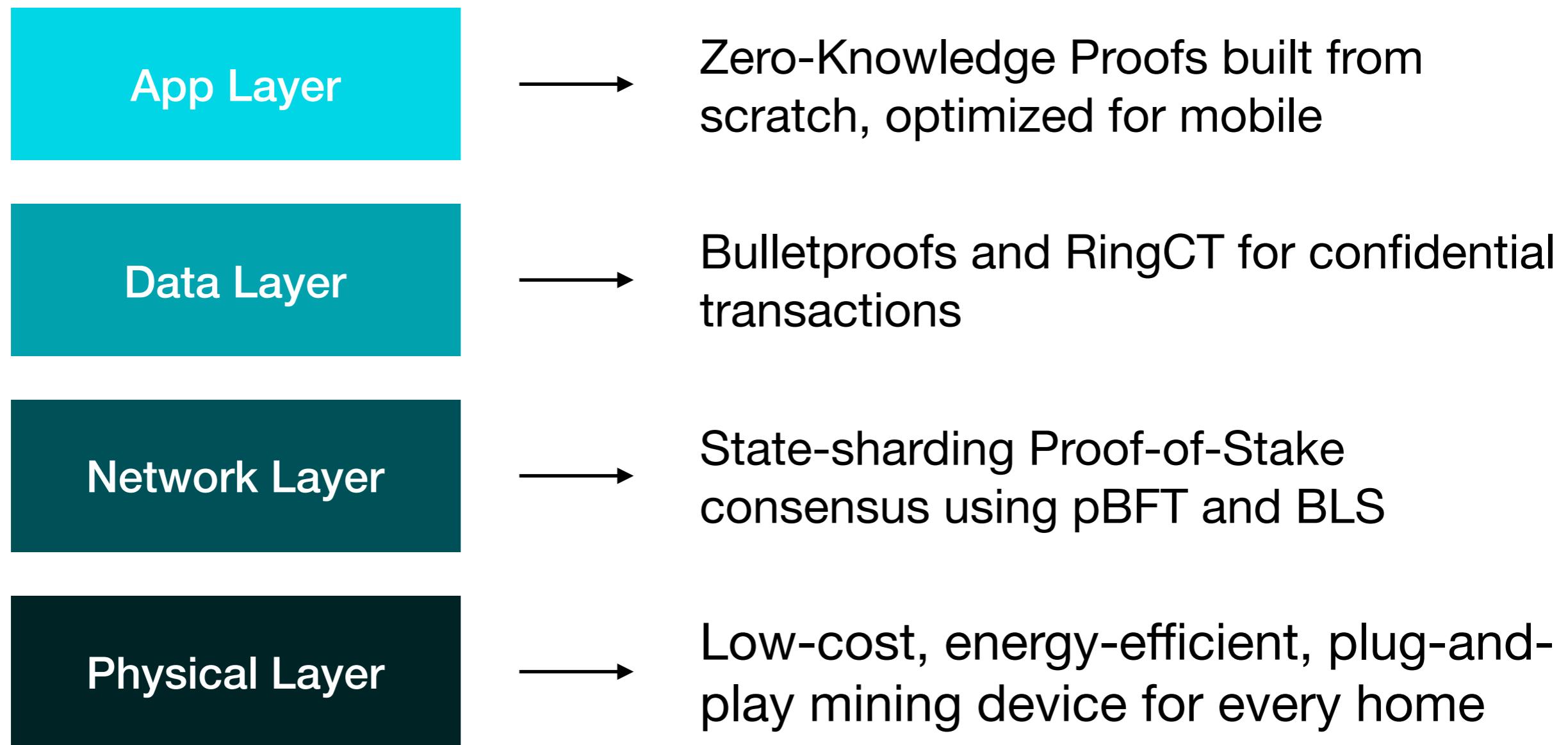
# Solution

A privacy sidechain that attaches to any blockchain to **confidentially transfer cryptoassets**.



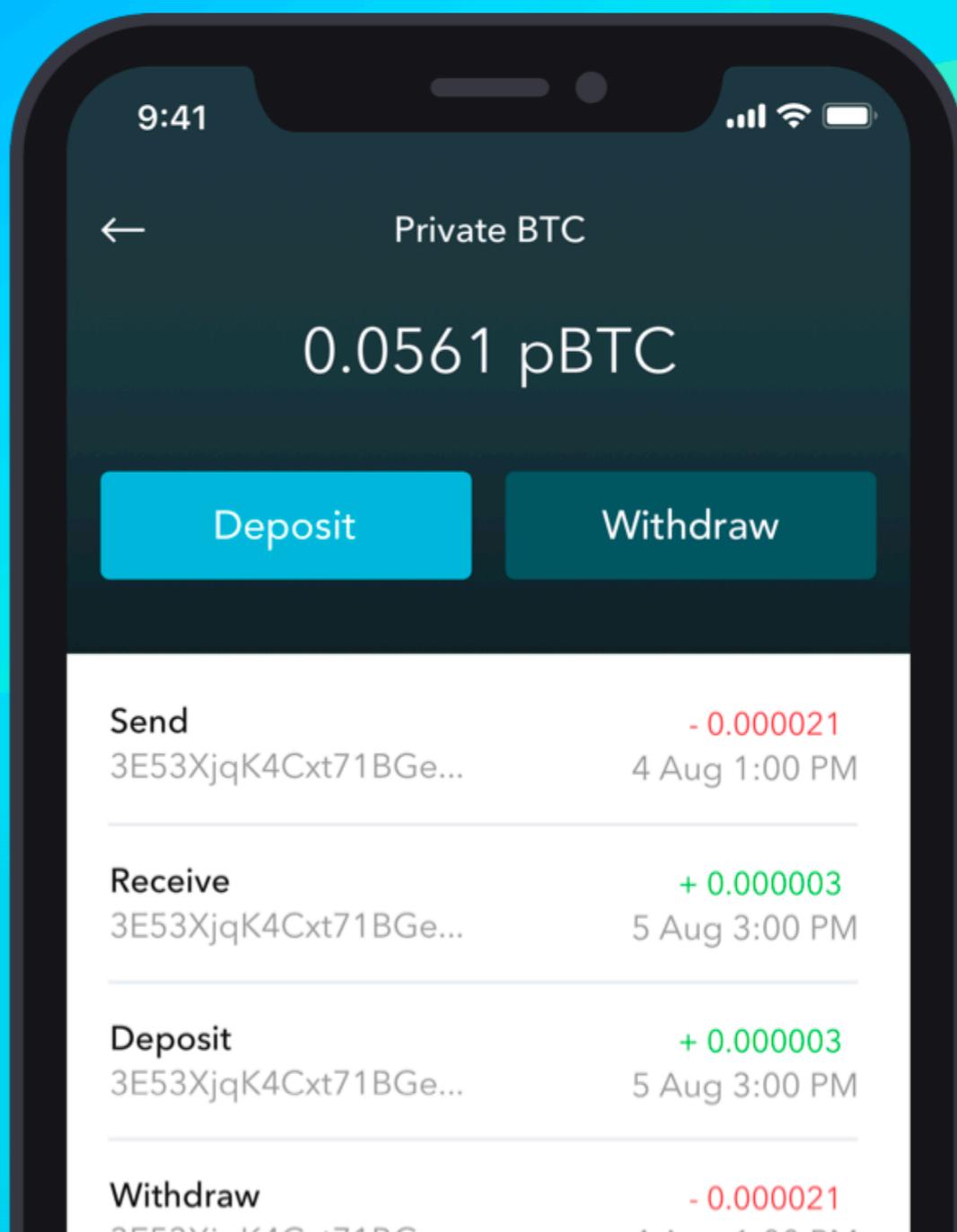
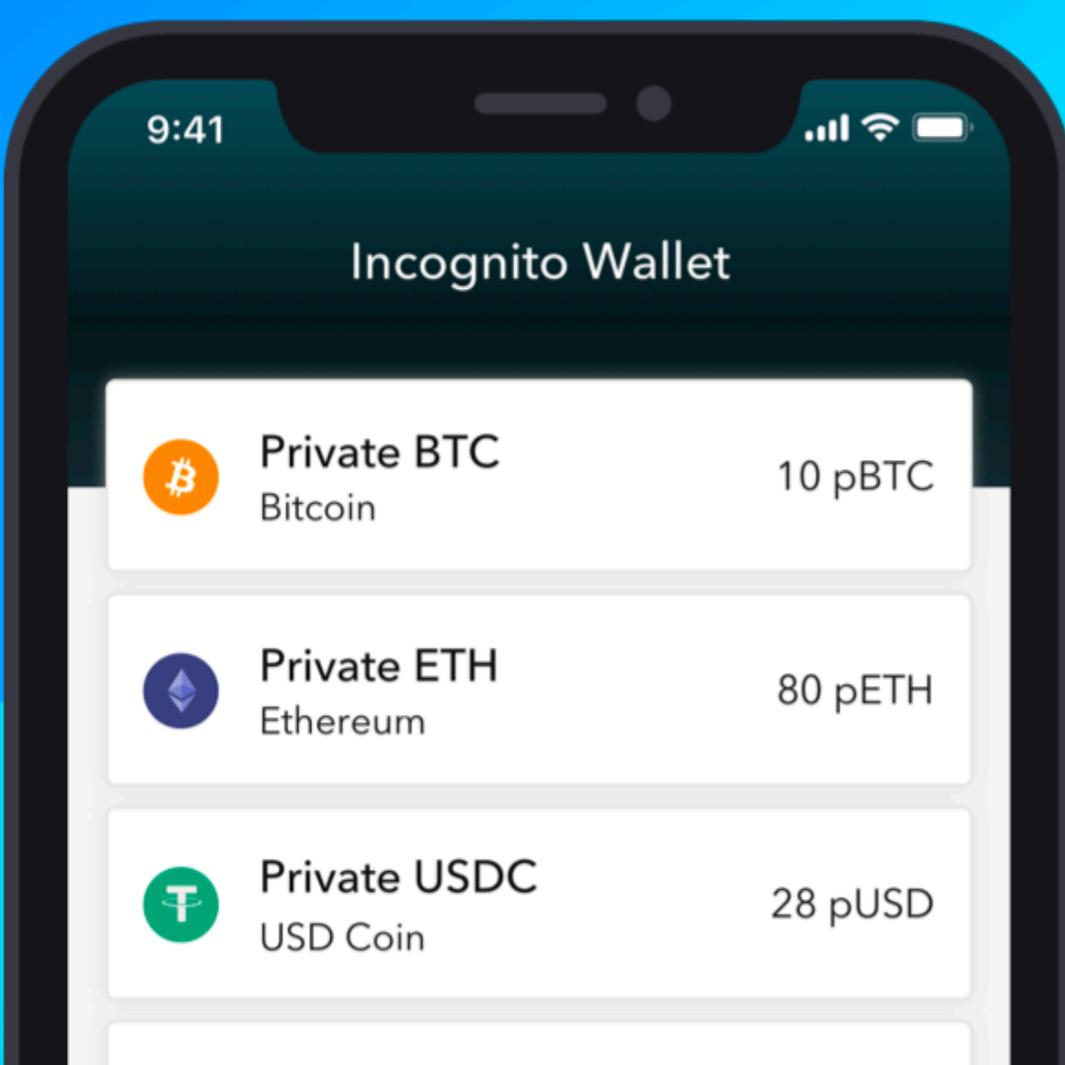
# The tech

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



## App Layer

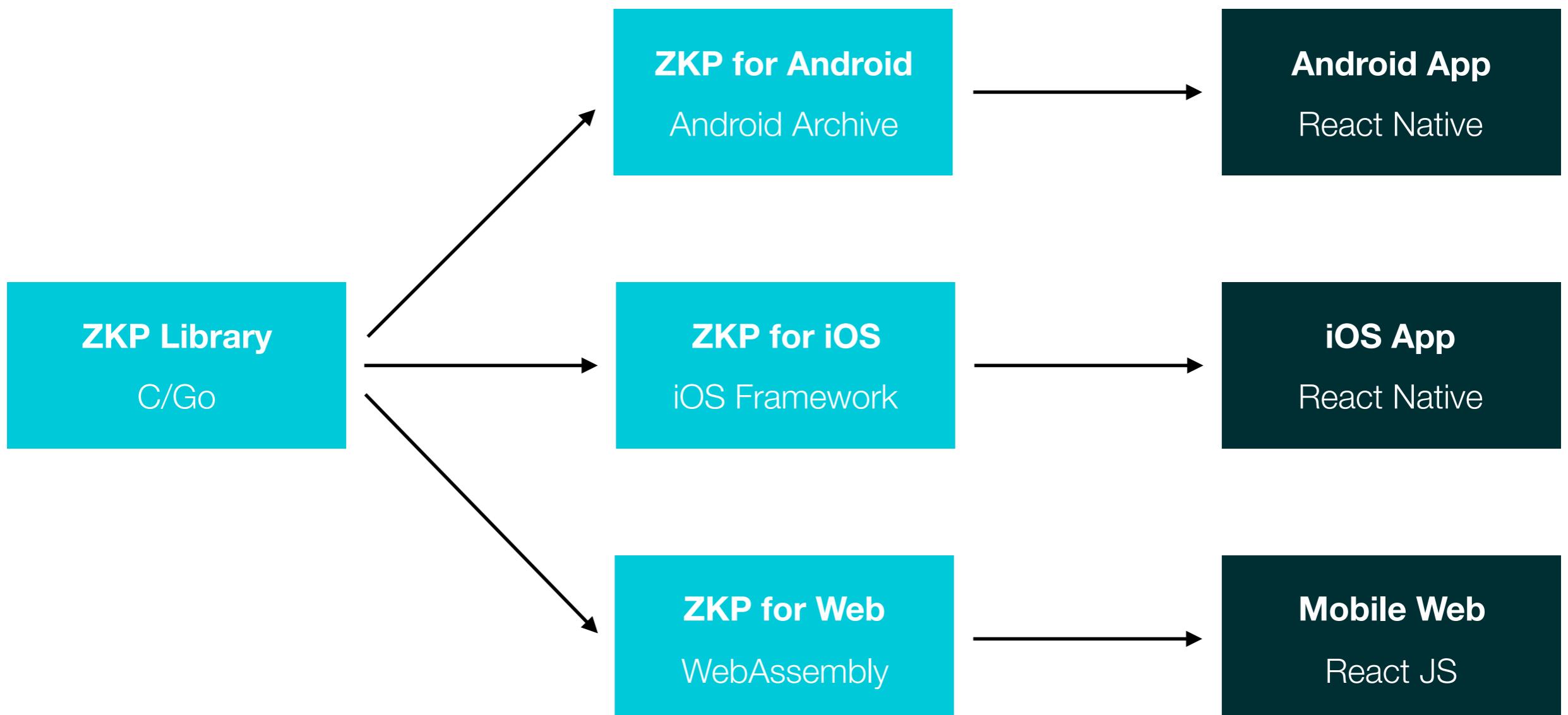
# Mobile first. Secure and fast.



## App Layer

# Zero-Knowledge Proof on mobile

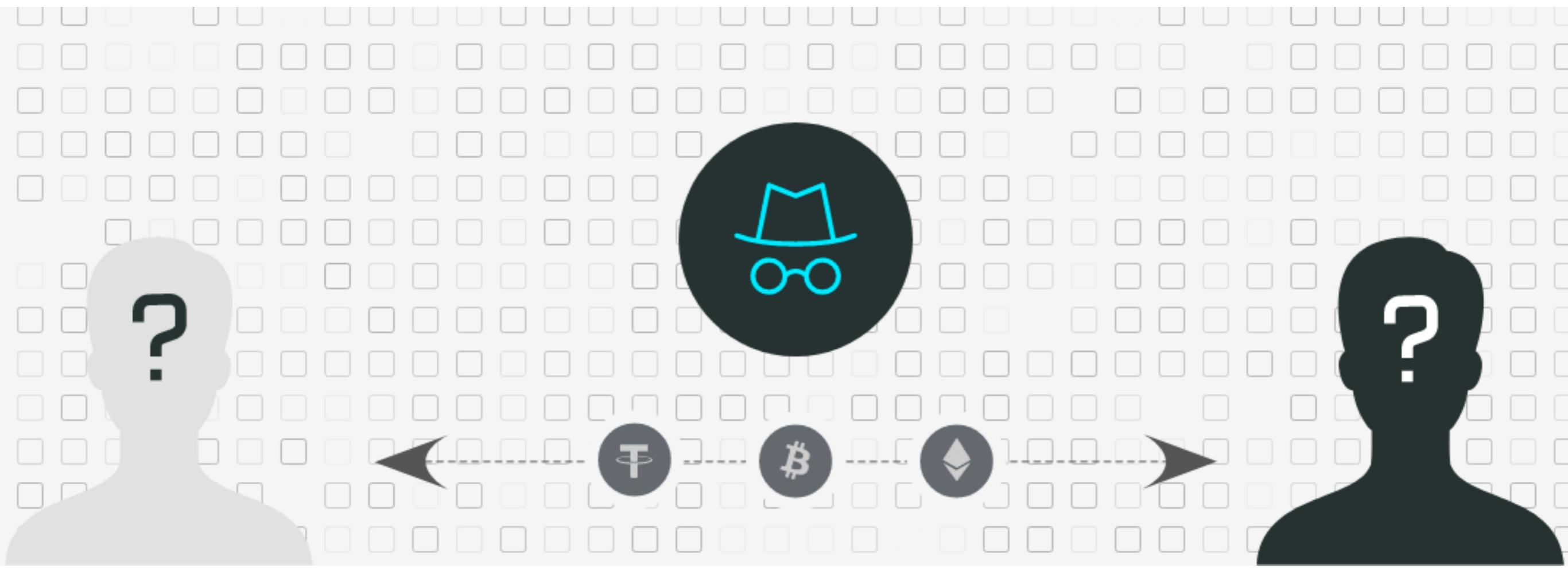
We built the entire **Zero-Knowledge Proof (ZKP) stack for mobile** from scratch. Sending a private transaction on mobile takes less than 15 seconds.



App Layer → Data Layer

# Private transactions

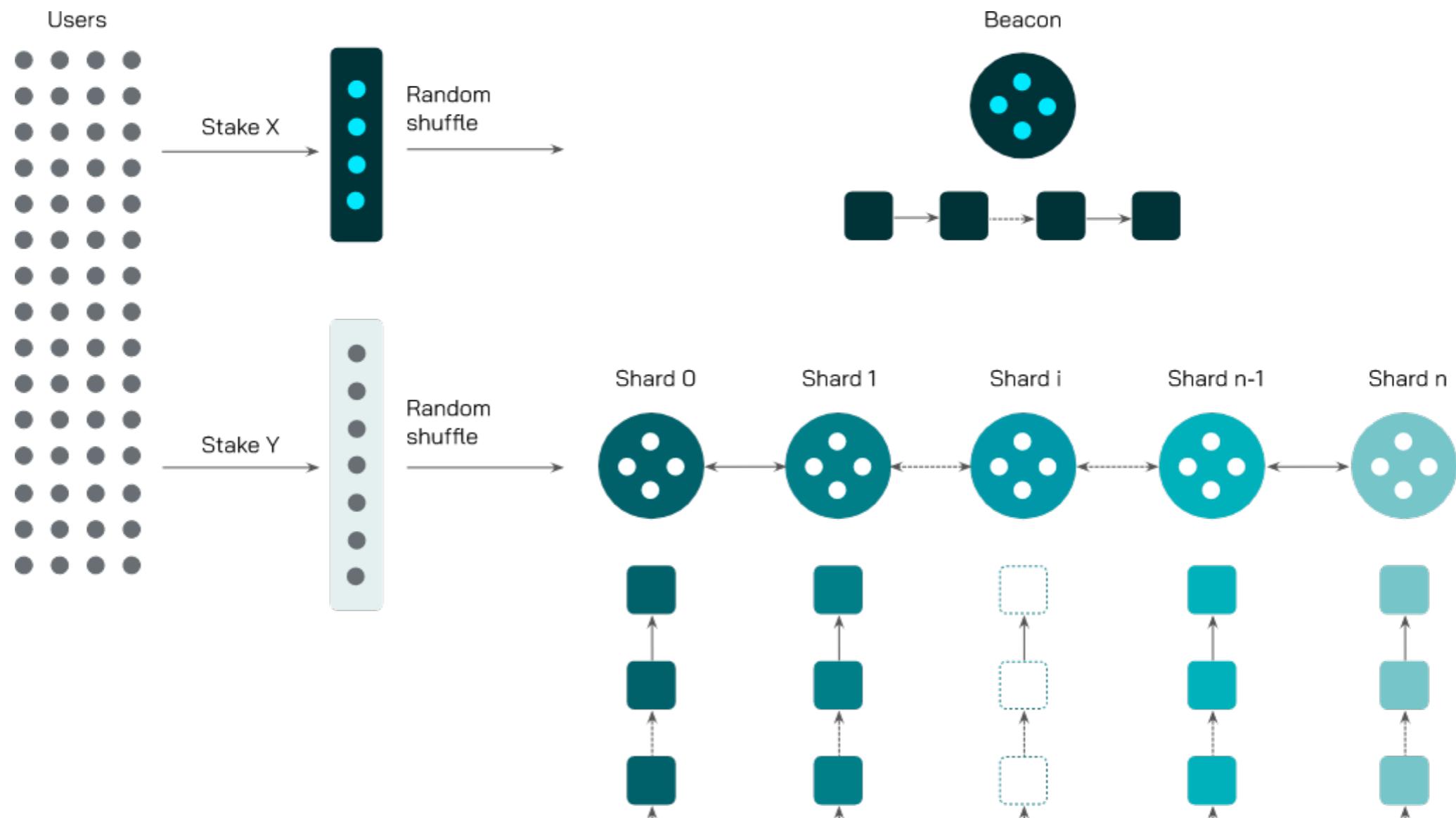
Incognito uses **zero-knowledge proofs**, **ring signatures**, **stealth addresses** and **confidential transactions** to mask the sender, receiver and transaction amount.



App Layer → Data Layer → **Network Layer**

# State-sharding Proof of Stake

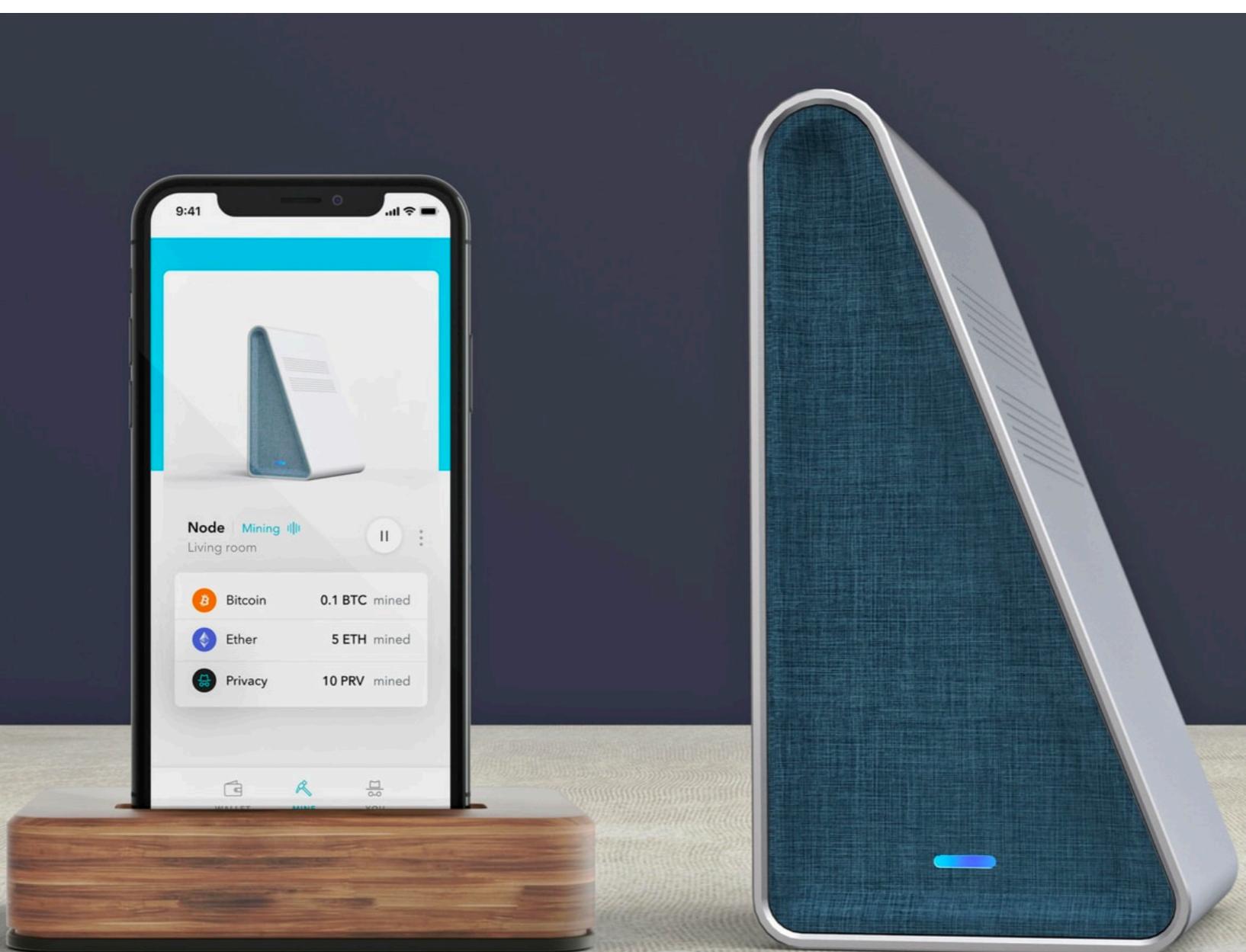
A high-throughput **proof-of-stake sidechain**, made possible by the implementation of **state sharding** with **1 beacon chain** and **256 shard chains**.



App Layer → Data Layer → Network Layer → **Physical Layer**

# A miner in every home

“People who are serious about software should make their own hardware.” — Alan Kay



# Developer friendly

No easy way exists to issue a privacy token. The barrier of entry to decentralized privacy is too high. **Incognito lets developers create their own privacy token** — as simple as creating an ERC20 token.

Here are a few use cases.

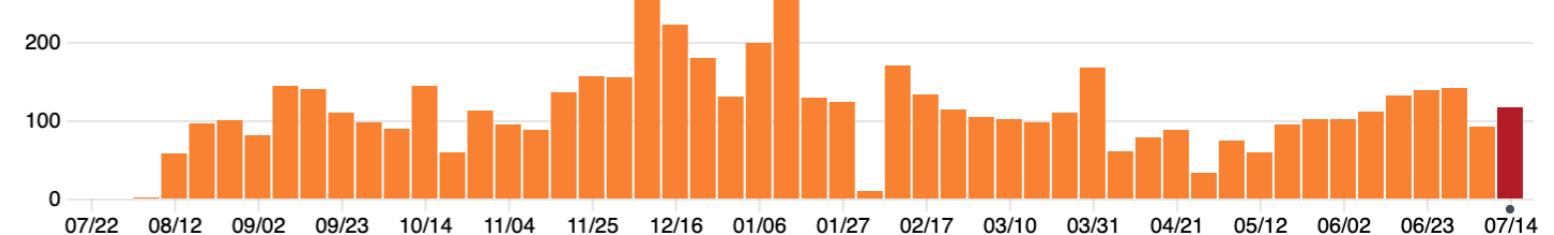
- Private stablecoin (cash)
- Private ownership (shares)
- Private exchanges
- Private prediction markets

# Open source

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

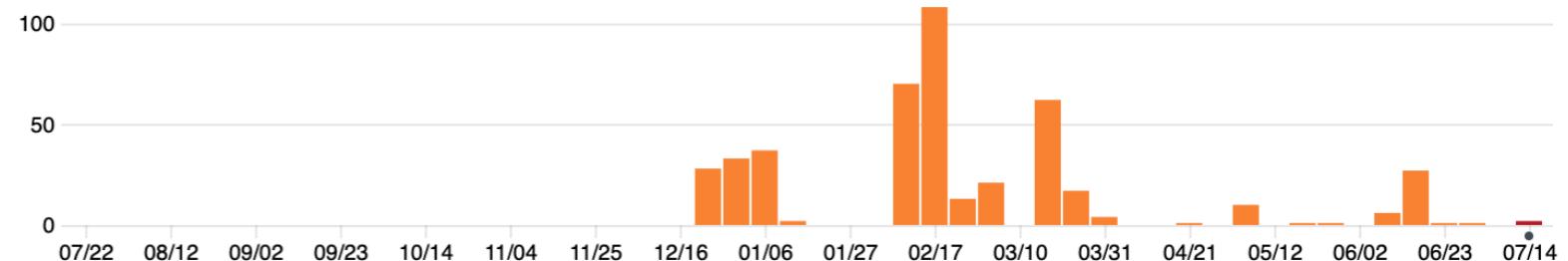
## Incognito Blockchain

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



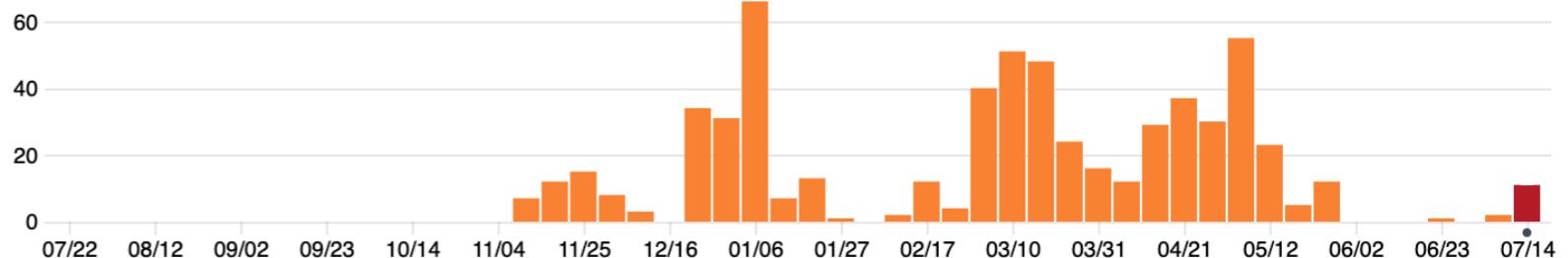
## Zero-Knowledge Proof on Mobile

89,273 lines of code  
588 commits  
5 contributors



## Tools: Explorer, Faucet and more

195,667 lines of code  
700 commits  
8 contributors



# Progress

May 2018	Project kickoff Self-funded with \$1M from the core team's own pocket
Aug 2018	First commit into Github 12,000+ commits and 1M+ lines of code (as of July 2019)
Apr 2019	Private Testnet With 1 beacon chain and 2 shard chains (4 nodes per chain)
Jul 2019	Public Testnet v1 With 1 beacon chain and 8 shard chains (16 nodes per chain)
Sep 2019	Public Testnet v2 With 1 beacon chain and 16 shard chains (64 nodes per chain)
Oct 2019	Public Mainnet & Mining Device With 1 beacon chain and 256 shard chains (128 nodes per chain)

# Mining

**100% mined** over 35 years.

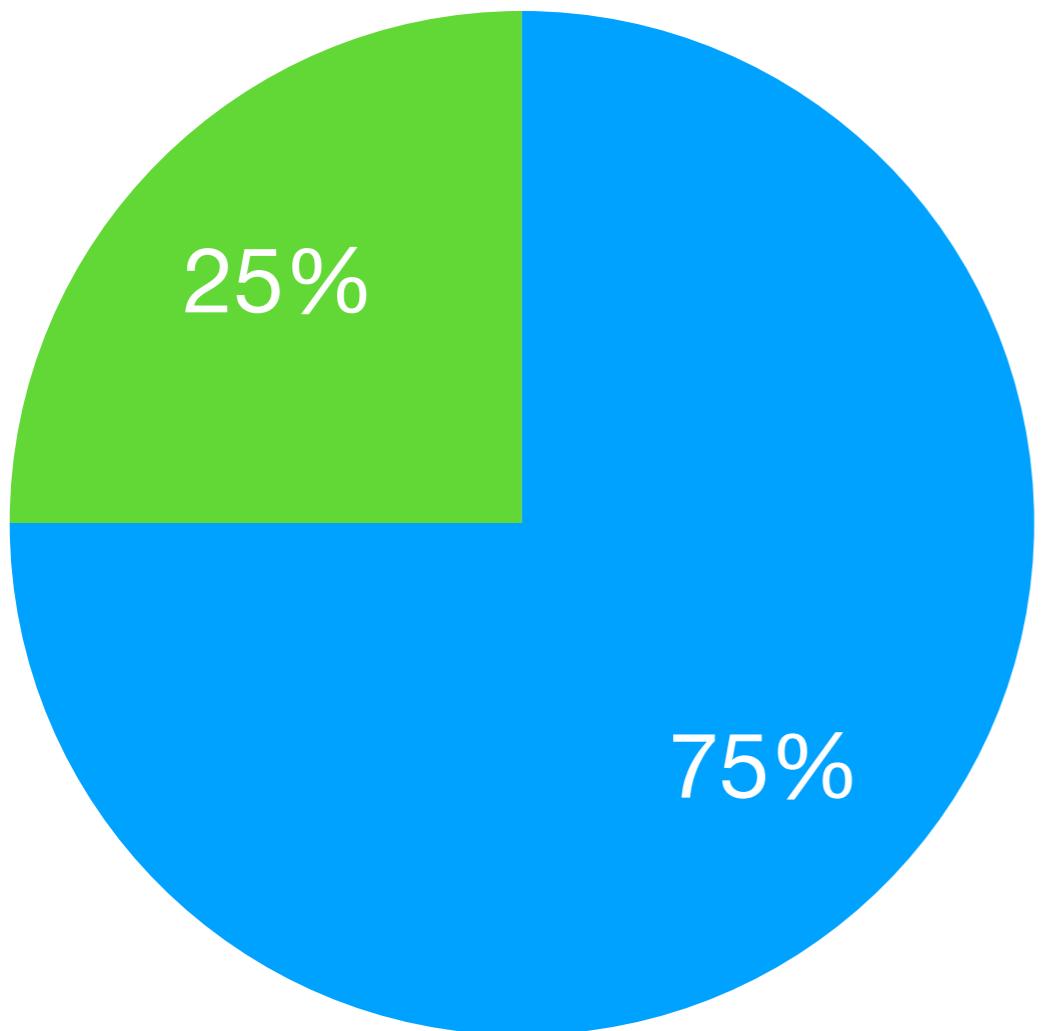
Native token: **Privacy (PRV)**

- **Work.** Stake to become a miner and earn block rewards and transaction fees.
- **Pay.** Pay for transaction fees.
- **Govern.** Vote for on-chain governance.

Total supply: **100,000,000 PRV**

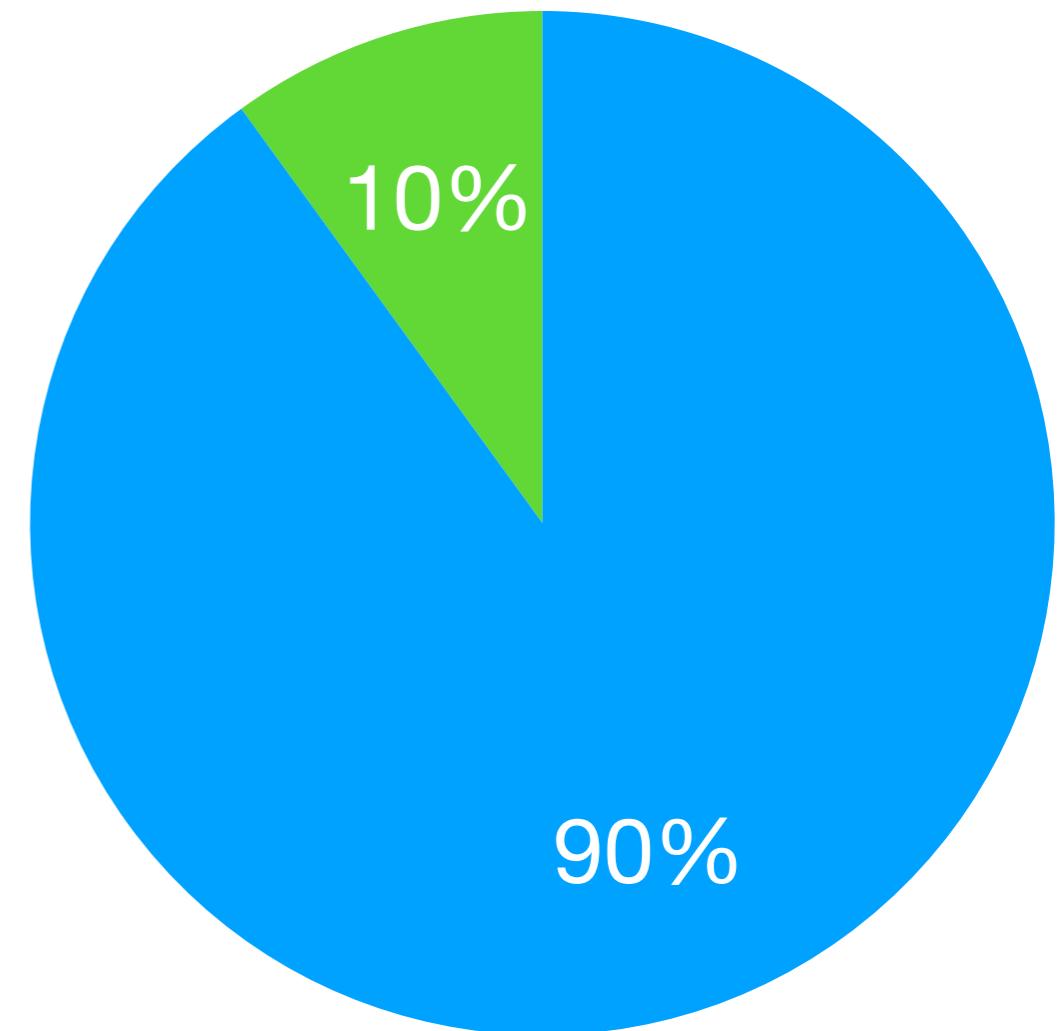
# Block reward split

Miners: 75%  
Builders: 25%



*Gradually  
reduces to*

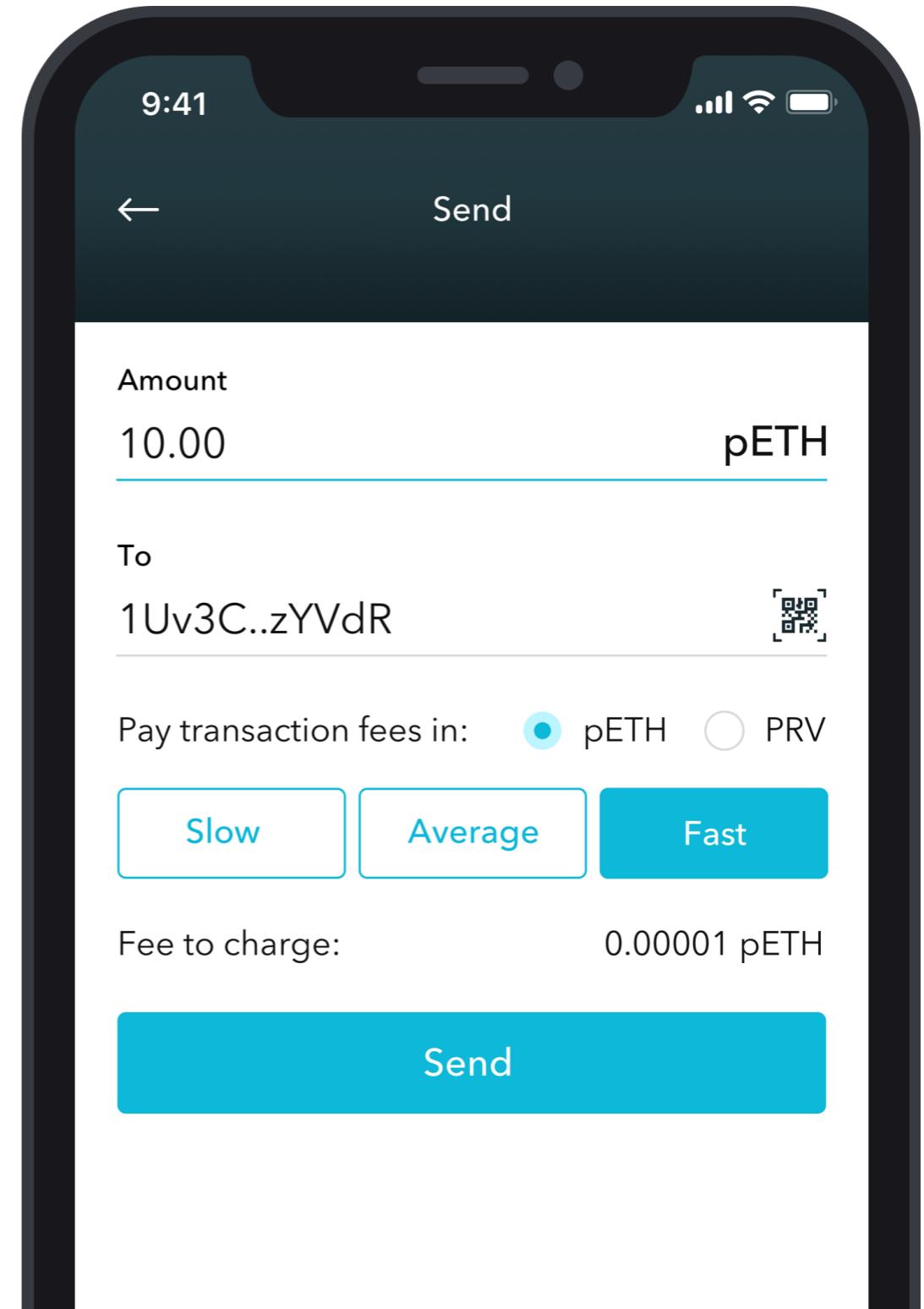
Miners: 90%  
Builders: 10%



# Transaction fees

Pay transaction fees in either the cryptoasset being sent or PRV.

So, as well as earning PRV, miners will earn other cryptoassets such as BTC, ETH, and more.



# Key members

A team of 23 privacy nerds working on Incognito 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.



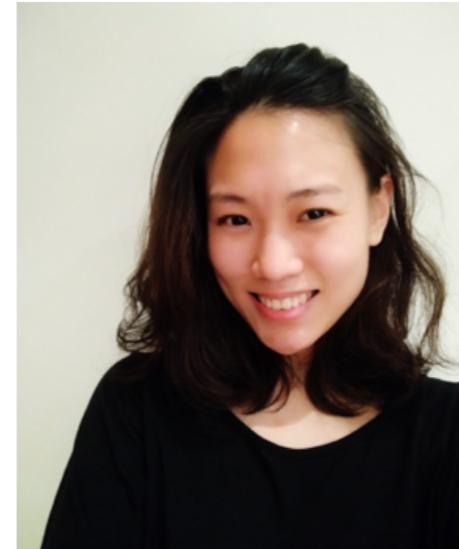
Prof. Thuc Nguyen  
Cryptography Lead

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.

# Summary

Incognito brings incognito mode to public blockchains — with a full-stack approach to decentralized privacy.

Want to try Incognito? Become a [Miner](#). Request free PRV from the [Faucet](#). Send private transactions with the [Wallet](#). Explore shards and beacon chains via the [Explorer](#).

Interested in the tech? Read the [whitepaper](#) and [source code](#).

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Questions? Reach us on [Telegram](#) or email [go@incognito.org](mailto:go@incognito.org).