

DotGo

# Proof-of-Work Portfolios for Web3 Developers

Unlock opportunities. Get paid. Build reputation.

**sub0 HACK Buenos Aires 2024** | Arkiv Main Track (\$10k) + Hyperbridge Bounty (\$5k)



# The Problem: Web3 Talent is Invisible

## For Developers

No degree? Dismissed immediately. GitHub repos sit unnoticed. Can't monetize projects - work for free hoping someone notices.

## For Employers

Can't verify skills - resumes lie, portfolios fake. Searching for talent is slow and expensive. No trust system.

**73% of developers say traditional credentials don't prove real skills**

The result? Talented builders go undiscovered. Companies struggle to find them.



# The Solution: DotGo

**One-line pitch:** Students earn USDC by unlocking their projects. Companies discover verified talent through on-chain reputation.

01

Students create portfolios

Real projects, skills, demos

02

Companies unlock projects

\$5 USDC per unlock

03

On-chain reputation builds

Reviews + cross-chain achievements

04

Arkiv-powered discovery

Query blockchain talent data

05

Hyperbridge cross-chain sync

Reputation across networks

# How It Works

## For Students

1. Create portfolio with projects and demos
2. Get discovered via Arkiv-indexed search
3. Earn \$4 USDC per unlock
4. Build on-chain reputation

## For Companies

1. Browse by skills and reputation
2. Preview portfolio summaries
3. Unlock full details for \$5 USDC
4. Leave reviews to build trust



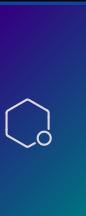
Company Pays  
\$5 USDC

Student Receives  
\$4 USDC

Platform Keeps  
\$1 USDC

**Built on:** Base & Ethereum (EVM), USDC payments, Arkiv Mendoza, Hyperbridge

# Technical Architecture

	<h3>Smart Contracts</h3> <p>DotGoUSDC.sol with \$5 USDC unlock mechanism. Deployed on Base Sepolia + Ethereum Sepolia. Verified on Basescan + Etherscan.</p>
	<h3>Frontend</h3> <p>Next.js 14 + TypeScript. RainbowKit wallet connection. wagmi hooks for contracts. TailwindCSS responsive UI.</p>
	<h3>Backend</h3> <p>Node.js event indexer. RESTful API for portfolios. PostgreSQL database.</p>
	<h3>Integrations</h3> <p>Arkiv Mendoza (Chain ID: 60138453056) for queryable data. Hyperbridge for cross-chain messaging. Multi-chain deployment.</p>



# Arkiv Integration: 100x Faster Discovery

**The Problem:** Scanning 1M+ blockchain events takes hours. Can't filter by multiple criteria. No SQL-like queries on blockchain.

**The Solution:** Arkiv Mendoza = Queryable Blockchain Database with sub-second responses.



## Event Indexing

ProjectUnlocked and ReviewSubmitted events automatically indexed



## Instant Queries

Find React devs with 4+ star reviews in milliseconds



## Analytics

Track unlock trends, review patterns, leaderboards

```
SELECT portfolioid, COUNT(*) as unlocks, AVG(rating) as avg_rating  
FROM unlock_events  
WHERE skills LIKE '%React%'  
GROUP BY portfolioid  
ORDER BY avg_rating DESC
```

**Why This Matters:** Without Arkiv, discovering talent requires scanning millions of blocks. With Arkiv, it's instant. This is the difference between a slow job board and a real-time talent marketplace.

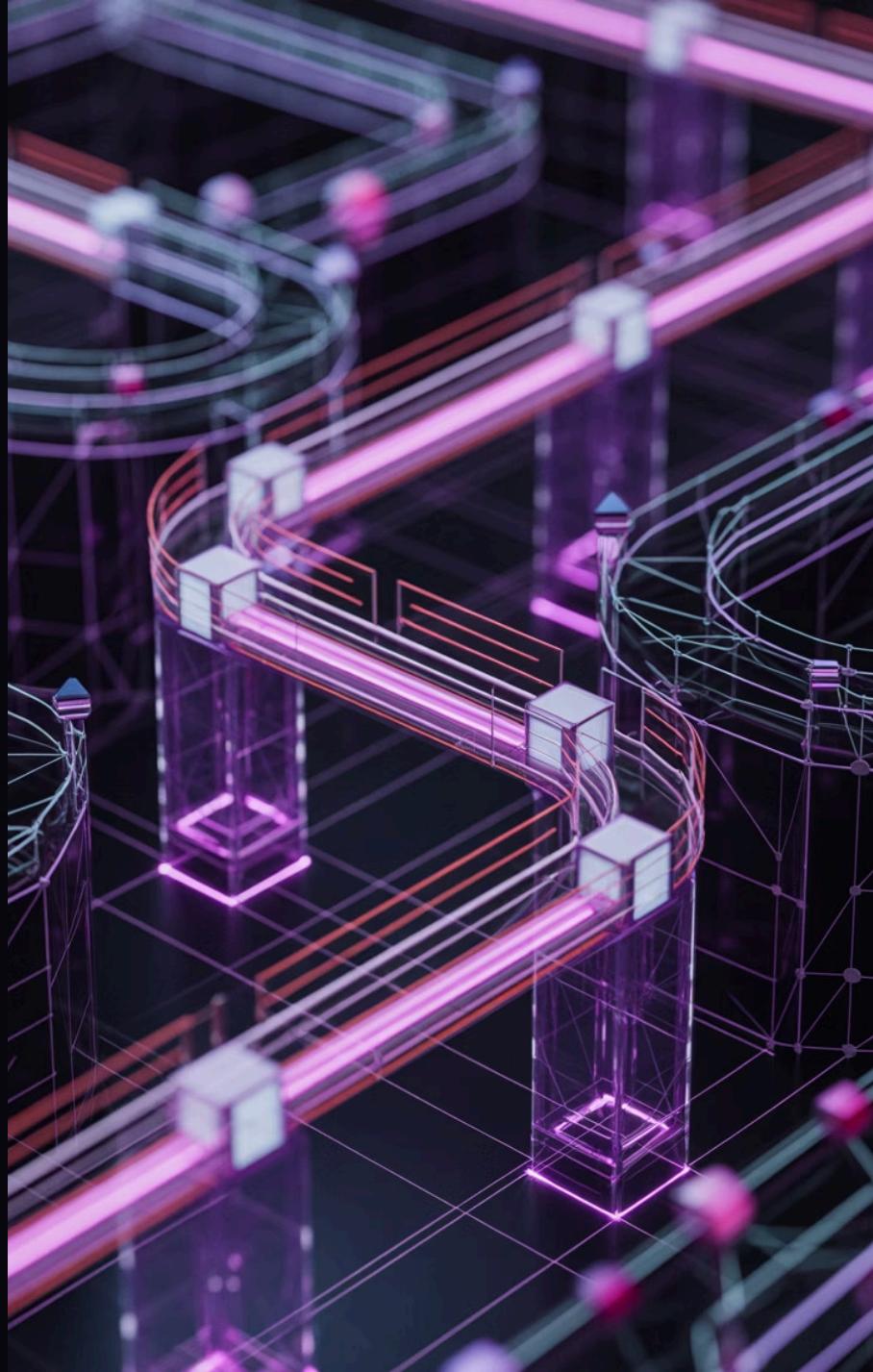
# Hyperbridge: Cross-Chain Reputation

**The Problem:** Achievements on Ethereum don't show on Base. Developers lose reputation when switching chains.

**The Solution:** Hyperbridge cryptographically verifies cross-chain messages with state proofs.

- 1 Base Contract  
Student earns 5 unlocks + 4.5★ average
- 2 Hyperbridge Sync  
Cryptographic proof relayed
- 3 Ethereum Update  
Global reputation reflects Base achievements

**Unified Reputation:** Aggregate unlocks from Base + Ethereum. NFT badges for cross-chain activity. Portable identity across all networks.



# Market Opportunity & Business Model

## Market Size

**TAM:** 5M Web3 developers globally = **\$250M**

**SAM:** 500K students job-hunting = **\$15M**

**SOM (Year 3):** 25K students = **\$750K**

60% YoY growth in Web3 developers. \$8.4T freelance economy by 2030.

## Revenue Model

**\$1 per unlock** (20% of \$5 USDC)

Students earn \$4, platform keeps \$1

No subscription, no ads

**\$5K**

Year 1 Revenue

500 students × 10 unlocks

**\$100K**

Year 2 Revenue

5,000 students × 20 unlocks

**\$1M**

Year 3 Revenue

25K students + premium features

**\$3M+**

Students Earn

Collective earnings by Year 3

# What We Built in 72 Hours



## Smart Contracts

DotGoUSDC.sol deployed to Base Sepolia (0xe08e46D72cCAB33F12D1643eA49D3Cb9CC8A0aF3) and Ethereum Sepolia (0xA4591Df423177c7db07Ebb97C9e579eCb62C48FE). Verified on both explorers.



## Full-Stack Application

Portfolio creation, USDC unlock workflow, wallet integration with RainbowKit, responsive UI with TailwindCSS.



## Backend Infrastructure

Event indexer syncing transactions, Portfolio CRUD API, PostgreSQL database.



## Blockchain Integrations

Arkv event indexing setup, Hyperbridge cross-chain architecture designed, multi-chain deployment tested end-to-end.



# The Ask & Vision

## What We Need

🏆 **Arkiv Main Track (\$10,000):** Fund production launch, user acquisition, Arkiv optimization

🏆 **Hyperbridge Bounty (\$5,000):** Complete cross-chain reputation system, multi-chain expansion

**Mentorship:** Security audit, UX design, marketing strategy

**Partnerships:** Coding bootcamps, Web3 companies, DAO programs

## 30-Day Roadmap

1. GitHub API integration
2. Review system + Arkiv dashboard
3. Hyperbridge reputation aggregator
4. Mainnet launch with 50 beta students

## Our Mission

*Democratize access to Web3 opportunities for young developers worldwide*

6 Months

500+ verified portfolios, \$50K+ earned by students

3 Years

Leading Web3 talent marketplace, 10+ blockchains

1

2

3

1 Year

5,000+ students, NFT badges, company partnerships

**Help us bring verified opportunities to 500 students in the next 30 days**

[Try Live Demo](#)

[View GitHub](#)