

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

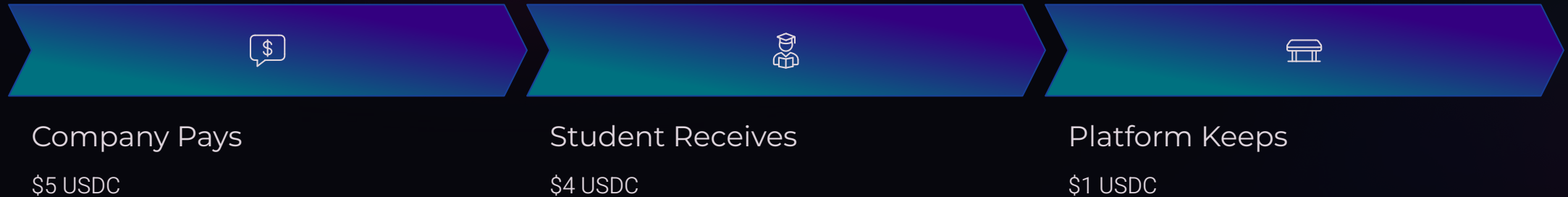
How It Works

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



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

Technical Architecture



Smart Contracts

DotGoUSDC.sol with \$5 USDC unlock mechanism. Deployed on Base Sepolia + Ethereum Sepolia. Verified on Basescan + Etherscan.



Frontend

Next.js 14 + TypeScript. RainbowKit wallet connection. wagmi hooks for contracts. TailwindCSS responsive UI.



Backend

Node.js event indexer. RESTful API for portfolios. PostgreSQL database.



Integrations

Arkiv Mendoza (Chain ID: 60138453056) for queryable data. Hyperbridge for cross-chain messaging. Multi-chain deployment.



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.

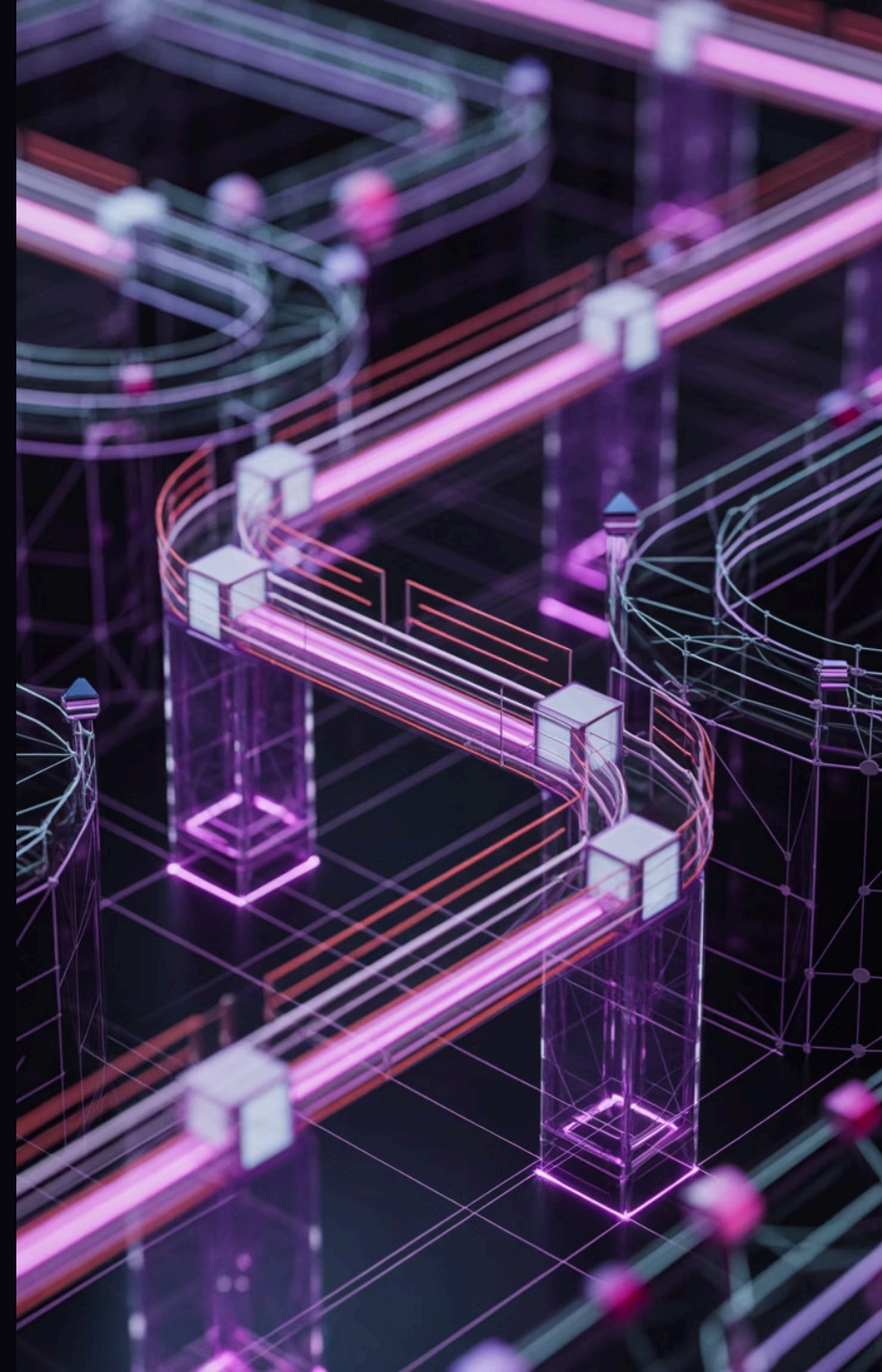
Hyperbridge: Cross-Chain Reputation

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

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



The Ask & Vision

What We Need

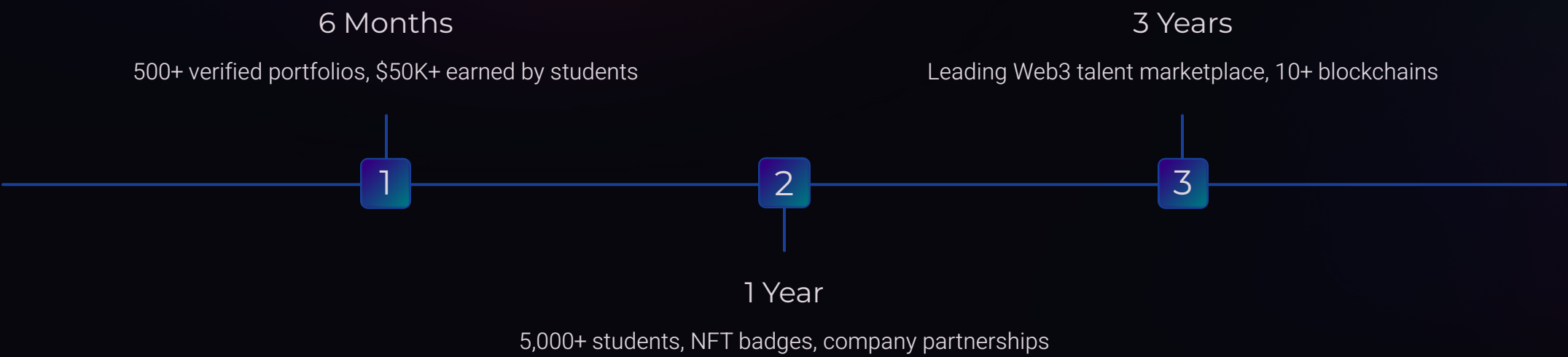
- 🏆 **Arkiv Main Track (\$10,000):** Fund production launch, user acquisition, Arkiv optimization
- 🏆 **Hyperbridge Bounty (\$5,000):** Complete cross-chain reputation system, multi-chain expansion
- Mentorship:** Security audit, UX design, marketing strategy
- Partnerships:** Coding bootcamps, Web3 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



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

Try Live Demo

View GitHub