

Ether Fund

Course: Blockchain Technology



The Problem

Traditional crowdfunding platforms are centralized and require users to trust third-party intermediaries.

Donors cannot independently verify how much money was collected, how funds are distributed, or whether campaign rules are enforced fairly.

Lack of transparency and control creates risks of misuse of funds and reduces trust between campaign creators and contributors.



Problem 1 — Centralization

All data and funds are controlled by a single platform.

Problem 2 — Lack of Transparency

Users cannot verify donations or campaign progress on-chain

Problem 3 — Trust-Based Model

Participants must trust the platform instead of the system logic.

Problem 4 — Limited User Control

Donors have no direct control over funds after contribution.

Solution 1 – Decentralized Architecture

Campaigns and funds are managed by smart contracts instead of a central authority

Solution 2 – On-Chain Transparency

All donations and campaign progress are recorded on the blockchain and can be verified by anyone.

Solution 3 – Smart Contract Enforcement

Rules such as deadlines, funding goals, finalization, and refunds are executed automatically by code.

Solution 4 – Token-Based Incentives

Contributors receive internal ERC-20 reward tokens for participation, demonstrating tokenization concepts.



The Solution

Our project proposes a decentralized crowdfunding platform built on the Ethereum blockchain. All campaign logic, donations, and rules are enforced by smart contracts, ensuring transparency and trustless execution without intermediaries.

Blockchain technology allows every transaction and campaign state to be publicly verifiable and immutable.

Platform Overview

- Decentralized crowdfunding platform built on Ethereum.
- Users can launch campaigns, donate ETH, and receive ERC-20 rewards.
- All logic is enforced by smart contracts without intermediaries.



Wallet Integration & On-Chain Data

- MetaMask wallet connection
- Real-time ETH and token balances
- User identity = blockchain address



EtherFund

0x90F7..b906

The screenshot shows the EtherFund mobile application interface. At the top, there's a header bar with the EtherFund logo, a balance of ETH: 10008.9947, tokens: 3400.00, and a wallet address 0x90F7..b906. Below the header, a notification bubble indicates "Connected to MetaMask" with the same wallet address. The main content area features a large, bold title: "Fund ideas without intermediaries". Below the title, a subtitle reads: "Decentralized platform. Launch campaigns, receive ETH directly, and reward investors with project tokens." At the bottom, there are two buttons: "Find Project" and "+ Start Your Own".

EtherFund

ETH: 10008.9947 Tokens: 3400.00

0x90F7..b906

Connected to MetaMask
0x90F7..b906

Fund ideas without intermediaries

Decentralized platform. Launch campaigns, receive ETH directly, and reward investors with project tokens.

Find Project + Start Your Own

Core Platform Features



EtherFund

- ERC-20 tokens are minted automatically for contributors.
- User identity = blockchain address



Reward System

ERC-20 tokens are minted automatically for contributors.



Instant Payouts

Funds can be claimed once the goal is reached.

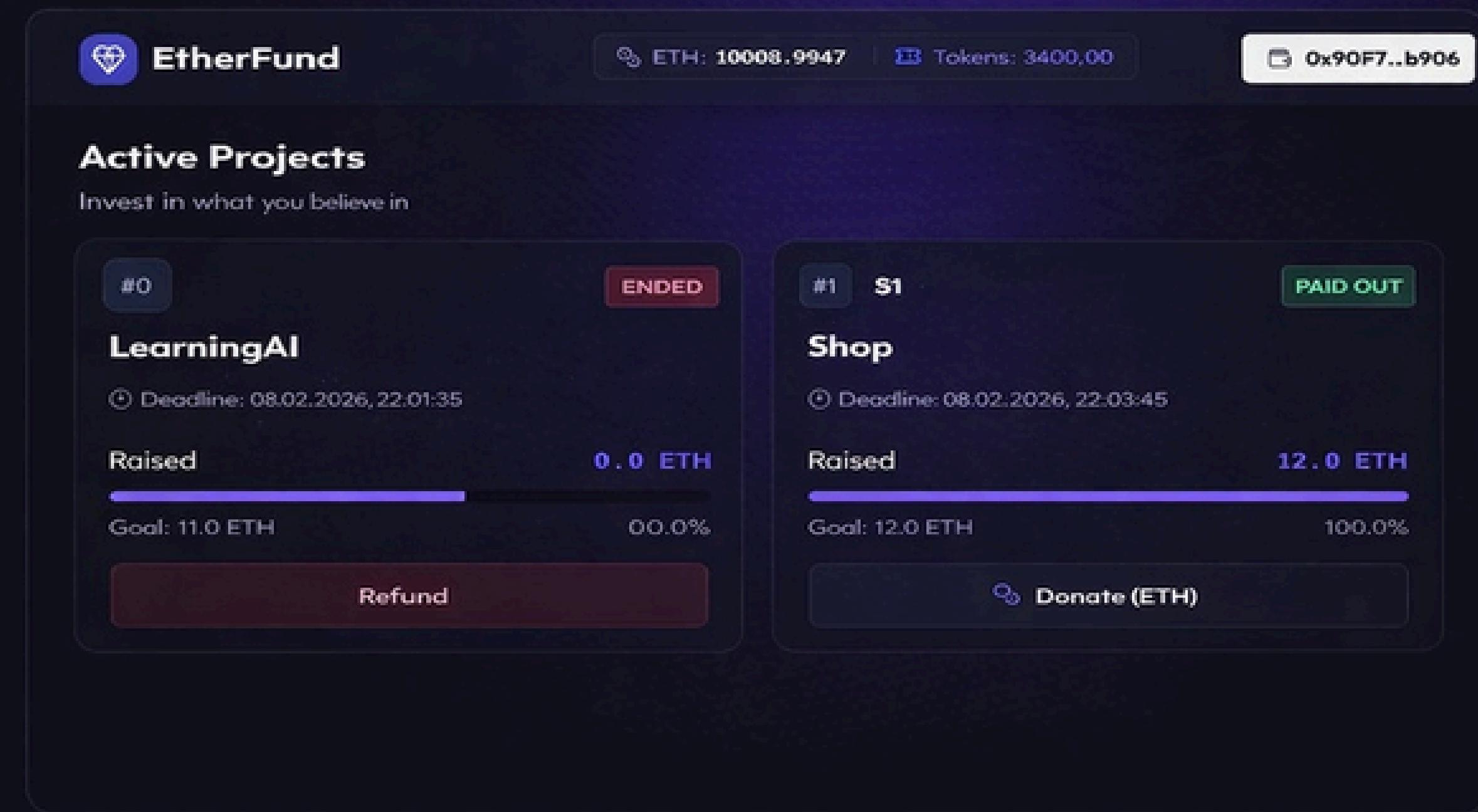


Refund Guarantee

If the goal is not met before the deadline, users can refund.

Crowdfunding Campaigns

- Each campaign has a goal and deadline
- Progress is tracked on-chain
- Campaign state: Active / Ended / Paid Out



User Interaction Flow

1. User selects a campaign
2. Signs transaction via MetaMask
3. ETH is sent directly to the smart contract

The screenshot shows the EtherFund platform interface. At the top, there's a header with the EtherFund logo, a balance of ETH: 10000.9947, tokens: 3400.00, and a wallet address: 0x90F7..b906.

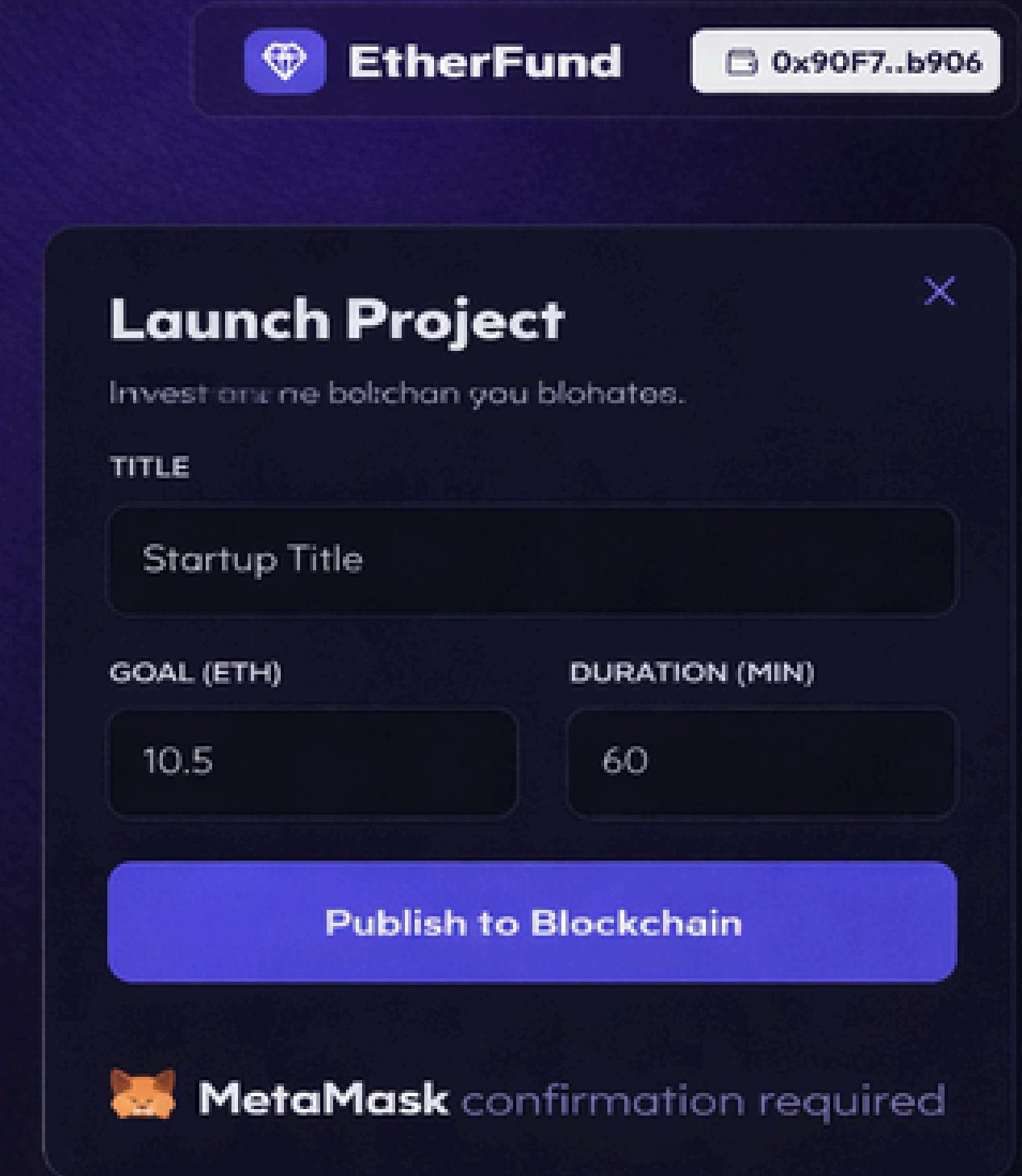
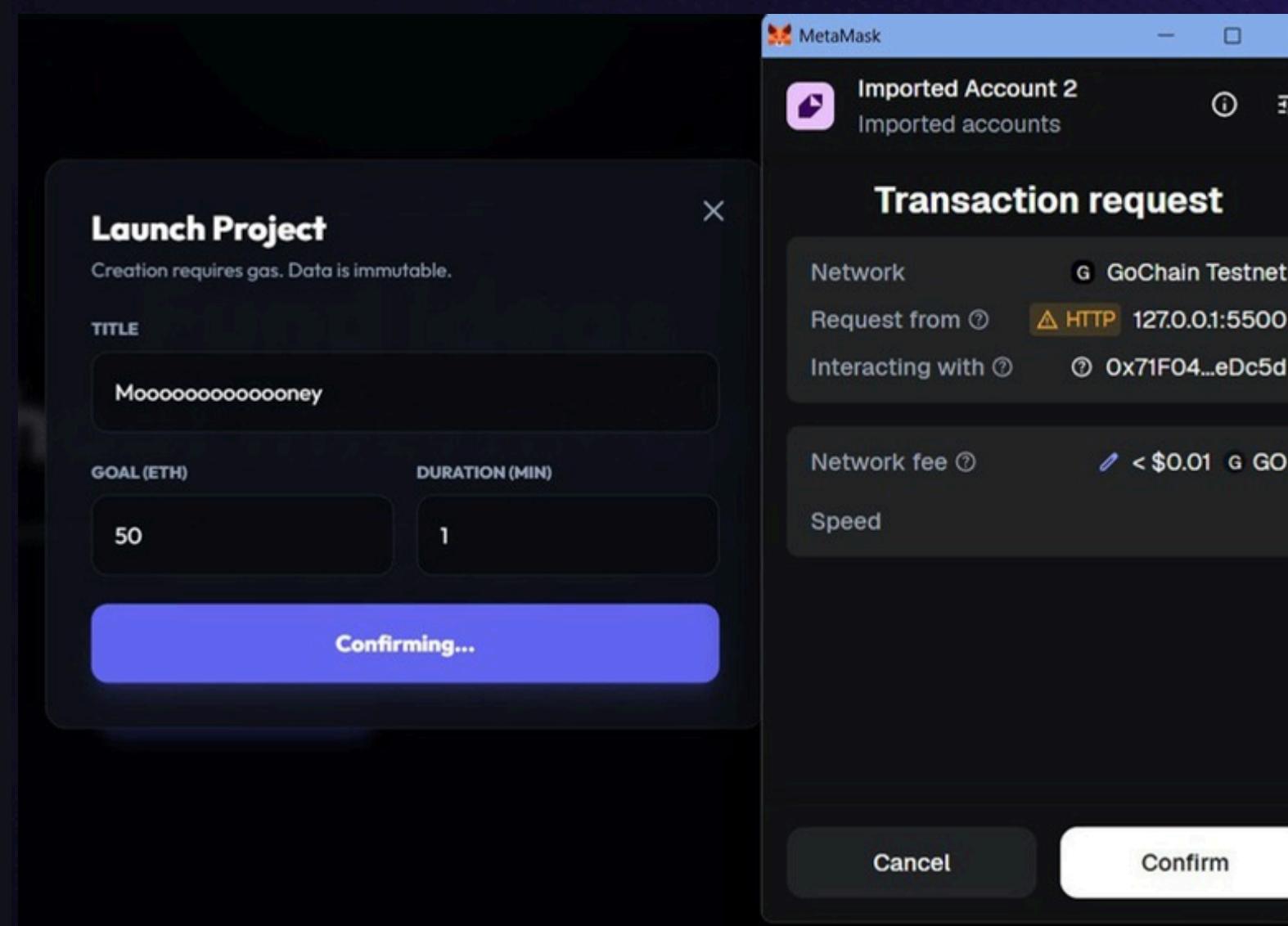
Active Projects:

- #0 LearningAI**: Status: ENDED. Raised: 0.0 ETH (Goal: 11.0 ETH, 00.0%). Refund button available.
- #1 C4 Shop**: Status: PAID OUT. Raised: 12.0 ETH (Goal: 12.0 ETH, 100.0%).

A green arrow points from the "Donate (ETH)" button next to the C4 project towards the wallet address 0x90F7..b906, indicating the transaction flow.

Creating a Campaign

- Campaign title, goal and duration
- Data is stored immutably on blockchain
- Requires gas and MetaMask confirmation

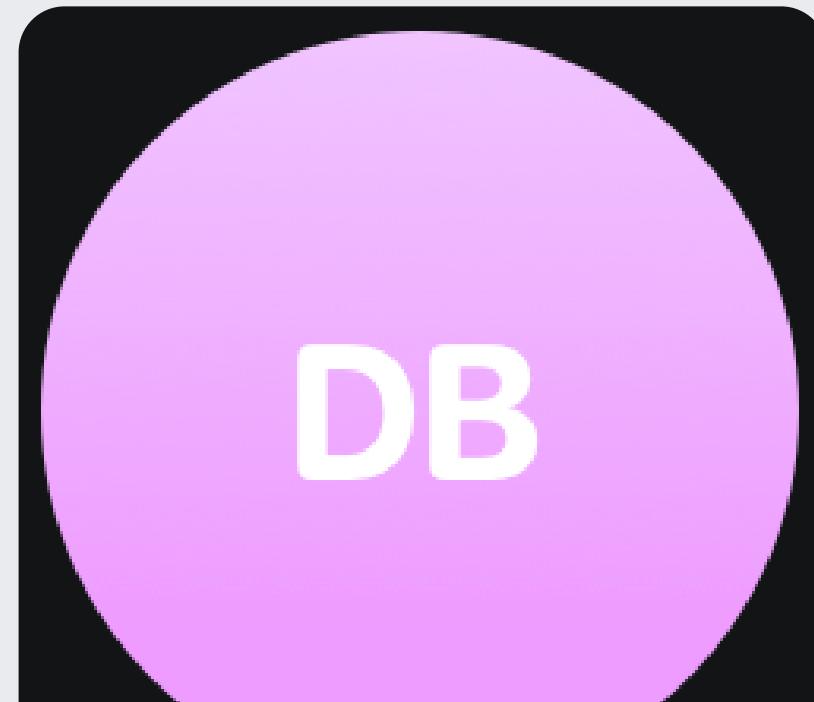


Meet Our Team



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Smart Contract Developer



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Frontend & Web3 Integration
Developer

**Thank You for
Your Attention!**