**[ScapeX]**

**Algorand Foundation**

**[30/03/2022]**

**Grant Category: [Application]**

**EXECUTIVE SUMMARY**

ScapeX is a fully decentralized application (web) that continuously track and monitor the commitment ($asset) of a voter on the Algorand DAO Platform. Building to a standard dApp that can visualize proposals and commitment made by a voter X.

**CORE TEAM**

**1. Ayuba Ezekiel | Software Engineer**

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**GitHub:** https://github.com/ayuba-hub

**Discord ID:** Ayuba#0244

**Bio:** A software engineer, cryptographer, python and JavaScript full stack developer with good knowlegde of cyber security.

**2. Moses Victor | Graphics Designer**

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**GitHub:** https://github.com/mayovic

**Discord ID:** mayovic#1145

**Bio:** A Graduate of mechanical engineering, I create 2D/3D Graphical designs, animation and walkthrough, illustration, UI/UX, Advance knowledge on the use of Corel draw and photoshop software.

**3. Mujeeb Temitope | Python Developer**

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**GitHub:** https://github.com/Temitopeishola

**Discord:** temitope#1642

**Bio:** Expertise in python3, django web framework, and a Data Scientist with advanced skills in data anal

# **PROBLEM DESCRIPTION**

Insecurity, fear of manipulation, recording errors, system inconsistency tends to cause a major issue in the Blockchain DAO system, particularly in a Voter’s psychology.

Decentralized Autonomous Organizations are just coming up and to secure the landscape, participants need to have a functional system that should be able to reveal the current situation of their commitments and proposals

Governance on the Algorand Blockchain needs to be characterized by certain features which includes stats tracking and monitoring of votes by participants. DAO centers on decentralization and as such, should give all and sundry the privilege to view their commitments to governance.

Securing election systems built on Blockchain also poses a problem.

**SOLUTION APPROACH**

Decentralized Autonomous Organizations are just coming up in the Blockchain Industry and to secure the landscape, participants need to have a functional system that should be able to reveal current progress of their commitments (**$asset**) and proposals.

Therefore, the solution to this issue is building ScapeX, a dApp where voters can view and track their transactions and commitments.

Building this project on Algorand will go a long way in checking the impulse of voters (which is natural element) during a voting process.

This way, they can be rest assured that their commitments are on the right track.

**ScapeX** will have:

1. A functional front-end where voters can enter their address/Asset ID.

1. A section to display the stats of the voter's proposal.

1. Additional section that contains the TXN ID which can be looked on AlgoExplorer.

**BUILD INFO:**

1. Web Technologies - HTML, CSS, JavaScript (Any framework can be used to achieve this).

1. ALGOSDK

1. API to fetch data from Choice Coin dApp

**Detailed Technical Plan and Statement of Work**

|  |  |  |  |
| --- | --- | --- | --- |
| **Milestone** | **Deliverables** | **Schedule** | **Team**  **Member/Members**  **Responsible** |
| **Mock-**  **up/Prototype building** | **1 week** | **Building a UI /UX interface for the application** | **UI/UX designer** |
| Building the backend of the application. | 2 – 3 weeks | Commence the back-end of ScapeX, building every detail. | All team members    Supervision:  Mujeeb |
| Sourcing out the required API for required callback | 1 - 2 weeks | Getting the required API needed for info extraction in order to get the stats of  proposals and commitments. | All team members    Supervision:  Mujeeb |
| Building the front end of the application | 1 – 2 weeks | Getting started with working on the front-end application. | All team members    Supervision: Mujeeb |
| Testing, debugging if necessary. | 1 – 2 weeks | Testing the application to ensure workability.    Debugging. | All team members are involved.    Supervision:  Musa Alao |
| Finalization and deployment. |  | Deployment |  |

**Budget and Costs**

|  |  |
| --- | --- |
| Milestone | Amount (USD) |
| UI/UX design | $4,000 |
| Building the front end of the application | $8,000 |
| API Sourcing | $12,000 |
| Building the back end of the application | $10,000 |
| **$Total Amount** | **$34,000** |