

# Move-DID

-- the DID protocol  
compatible with Aptos/Sui/Starcoin

NonceGeekDAO

2022 / 11



# Short Introduction

MoveDID is a DID protocol that compatible with Move-based blockchain networks, including Aptos, Sui, and Starcoin.

The vision of MoveDID is to be the foundation for the next generation of large-scale Web3 finance and Web3 society.

MoveDID could be used for 3 types of subjects: human, organization, and bot.

- <https://movedid.build>
- <https://docs.movedid.build>
- <https://github.com/NonceGeek/MoveDID>



**DID is the foundation of  
"large-scale Web3 financial system" and "large-scale Web3 society"**



DID is the foundation of "large-scale Web3 financial system"

## **Build Web3 Fintech System :**

- \* Level 0x03 ——— Derivatives and other modern financial products
  - \* Level 0x02 ——— Credit and Credentials ( SBT )
    - \* Level 0x01 ——— Token、 Behaviour & Data
      - \* Level 0x00 ——— Identity (DID)



DID is the foundation of "large-scale Web3 society"

## **Build Web3 Society :**

- \* Level 0x03 — Community make up society
- \* Level 0x02 — Social relationships make up communities
  - \* Level 0x01 — Token、 Behaviour & Data
    - \* Level 0x00 — Identity ( DID )



## Why impl DID on Move ?



## Why Impl DID on Move?

Ethereum is **not** natively adapted to large-scale financial scenarios.

Fintech on Ethereum belongs to spontaneous growth, and there is **no** L0x00 position in the ecosystem (domain name and did are not equivalent).

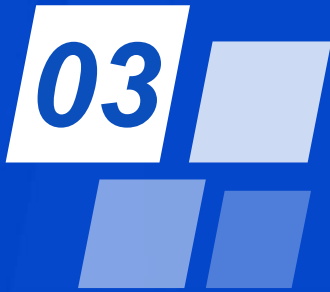


## Why Impl DID on Move?

### **Resource-based Move Chains & DID are highly matched**

- DID is really stored under each account, not in the contract
- Facing large-scale users is both Move-Chains' vision and DID's vision





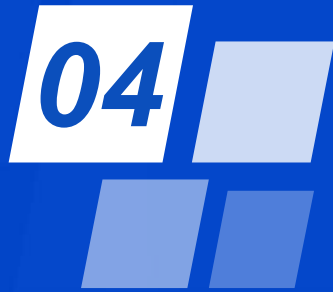
**Should only human be the subject of DID?**



# The subjects of DID

## The Subjects of DID





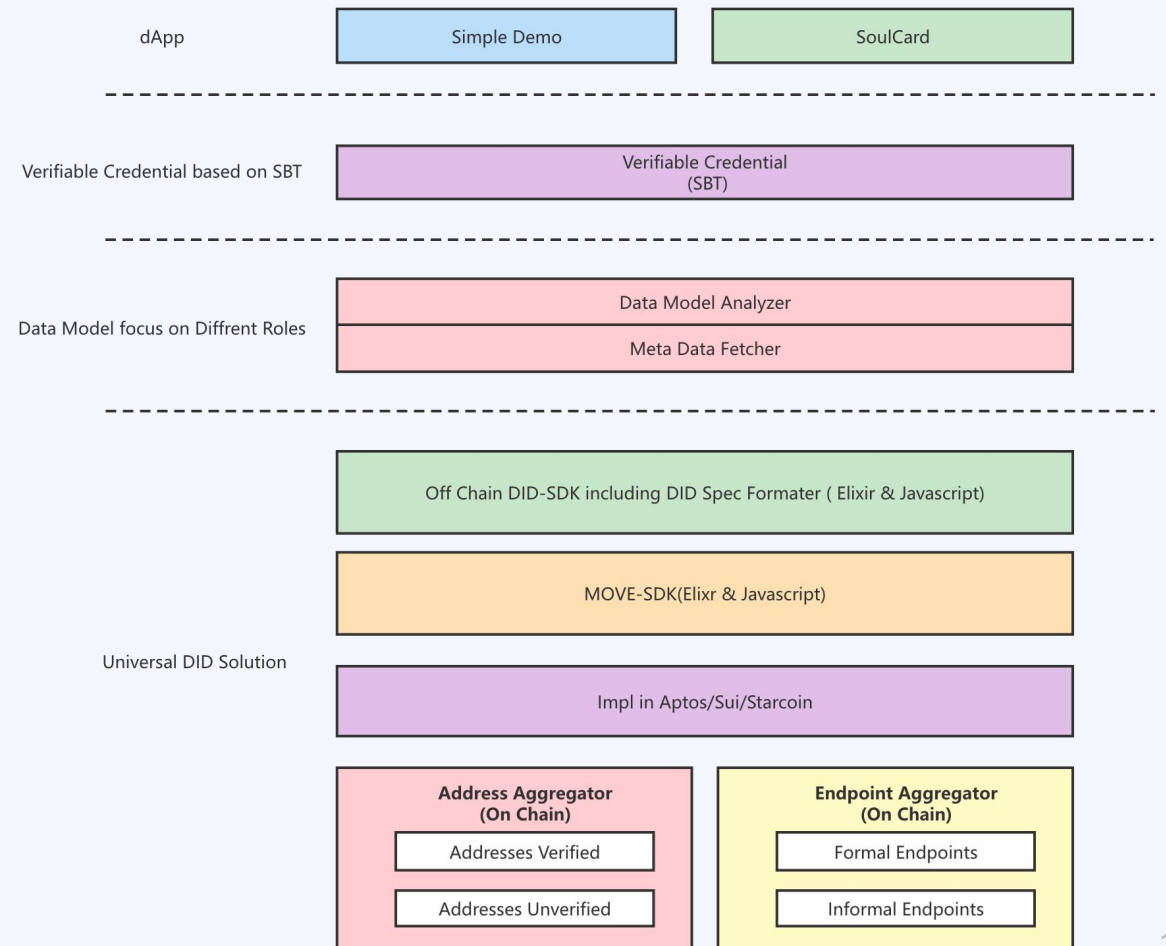
## Quick Introduction for MoveDID



# Quick Introduction for MoveDID

## The first DID protocol in the whole Move ecosystem

- <https://movedid.build>
  - <https://github.com/NonceGeek/MoveDID>
  - MoveDID is in the first batch of aptos grant
  - The MVP version of the upper-layer application
- SoulCard won the 2022 Polkadot Summer Hackathon
- College Track Award & the first prize of the IPFS
- track of the 2022 Wanxiang Hackathon





## Usage Scenarios of MoveDID



# Usage Scenarios of MoveDID — Web3

## **Web3 Usage Scenarios of MoveDID**

- A complete DID protocol can help prevent sybil attacks without relying on centralized KYC services, while making user portraits more accurate, thereby assisting projects provide better service for real users.
- On the basis of the DID protocol, "multi-address single-account login" with both Move and EVM addresses will be implemented to serve multi-chain applications.
- Also, various organizations such as DAO can be profiled, so that the organization's on-chain/off-chain behavior, value, and other metrics can be more effectively evaluated.
- On the basis of implementing MoveDID following W3C standard, further implementation of the SBT-based Verifiable Credentials Scheme, and buildout of an on-chain credit/credential system will be developed.
- More ...

# Usage Scenarios of MoveDID — Web2

## **Web2 Usage Scenarios of MoveDID**

- One-click login supported by both Web2 and Web3 can be realized through AddrAggregator and EndpointAggregator. For example, if you have connected a verified GitHub account, you can log in either using a browser plug-in or using GitHub. So that Web2 applications can be bridged seamlessly the Web3 world.
- It helps Web2 companies to store member identity in a very light-weight solution - just put the member address under the DAO's DID, instead of using the traditional way of issuing NFT to members.
- More...



## dApp Example based on MoveDID





# Application - DAO System based on Github

Background: The Github-based DAO model has been well practiced in NonceGeekDAO and requires **the corresponding tool set** for matching.

NonceGeek / Web3-dApp-Camp Public

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Label issues and pull requests for new contributors  
Now, GitHub will help potential first-time contributors discover issues labeled with **good first issue** Dismiss

Filters is:issue is:closed Labels 16 Milestones 0 New issue

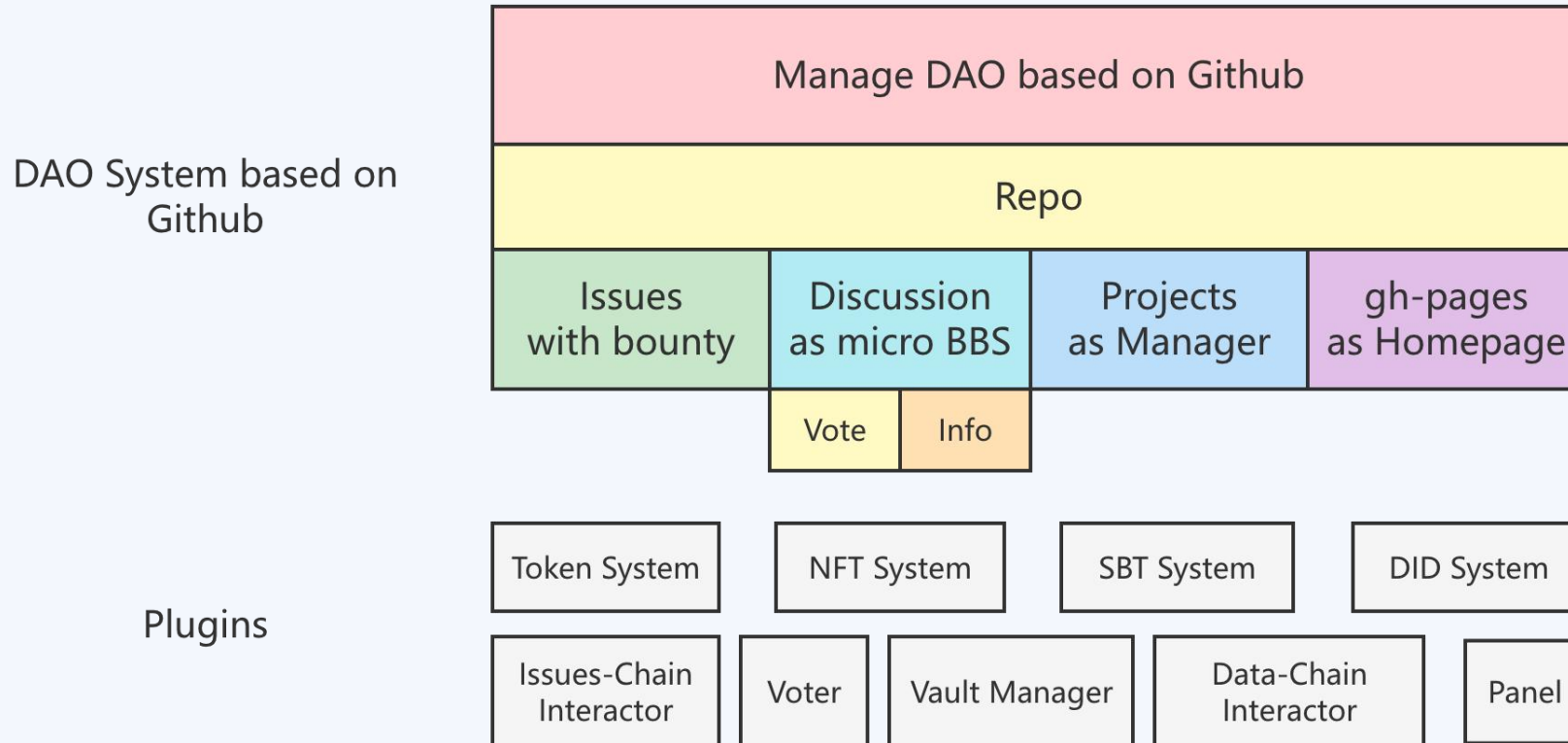
Clear current search query, filters, and sorts

<input type="checkbox"/>	<input checked="" type="radio"/> 17 Open <input checked="" type="radio"/> 22 Closed	Author	Label	Projects	Milestones	Assignee	Sort
<input type="checkbox"/>	<input checked="" type="radio"/> 购买 Refactoring UI 资源包 has reward paid money #139 by Dream4ever was closed on Oct 15						1
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<input type="checkbox"/>	<input checked="" type="radio"/> 【内容产出计划】 【Move 指南】 通过 js sdk 操作资源 has reward paid money #111 by leeduckgo was closed on Jul 30				1		1



# Application - DAO System based on Github

**A DAO System based on Github that using MoveDID as the basic identity module**



# Tai Shang Soul Card

A highly concentrated, interactive Buidler/DAO

Namecard based on blockchain addresses and

Web2/Web3 information sources

# Status of SoulCard

Preview Status, PermaWeb Status(Arweave/IFPS),

and NFT Status

Robert Fox

9de3d8a...d7d2g6fe3e2

Have more than 6 years of Digital Product Design experience.

California,US

Skills

C++ Javascript C#

HTML Python

Awesome Things

Design for the transport

Probably One of The Most Common

LinkedIn Is No Longer LinkedIn Is No

Project Whitelist

Ethereum NonceGeek Bitcoin Polygon FISCOBCOS

Venachain

DAO/Organization

 NonceGeek

position

 Starcoin

position

 Venachain



contract address

Our team is working on a decentralized social product in the Web3 environment.

DAO NAME

9de3d8a...d7d2g6fe3e2



https://noncegeek.com/#/

contract address

Our team is working on a decentralized social product in the Web3 environment.

California,US

Awesome Things

Design for the transport

Probably One of The Most Common

LinkedIn Is No Longer LinkedIn Is No

Members Introduction

 Robert Fox

Founder

 Robert Fox

Co-founder

 Robert Fox

Co-founder

 Robert Fox

Co-founder

 231 members

Partner

 NonceGeek DAO

 NonceGeek DAO

 NonceGeek DAO



## Token Model



# Token Model

## Initial Supply 100,000 NFT

Key Words: ASCII

NFT Type	Proportion	Token Number
Community NFT	50%	50,000
Right NFT	25%	25,000
Airdrop NFT	25%	25,000





# Business Model



# Business Model

## **MoveDID Protocol Layer — Open Source, Public Good**

The MoveDID protocol itself is free and open source, non-profit public goods, and everyone is encouraged to join the MoveDID ecological network.

## **Data & Application Layer Business Model**

- \* Implement a data model service (Template) for the role of developers, build a data layer ecology with partners, and make commercial profits by providing data services to Business-end users.
- \* Provide business toolset for profit.

## **Incubator business model (Vision)**

On the basis of the protocol layer and data layer, develop the MoveDID application ecosystem (MoveDID Network), and combine HackerHouse and its culture to build the NonceGeek incubator.

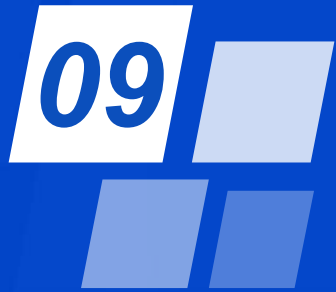


# Business Canvas (Outside the Incubator)

Key Partners	Key Activities	Key Propositions	Customer Relationships	Customer Segments
<ul style="list-style-type: none"><li>* Partners who need DAO/individuals' user persona Data</li><li>* High-quality Web3 service provider</li><li>* Web3 Entrepreneur</li></ul>	<ul style="list-style-type: none"><li>* "One-click login" and other tools based on MoveDID</li><li>* Provide DAO and individual user persona database and interface</li><li>* Customized service support</li></ul>	<ul style="list-style-type: none"><li>* The architecture design of the Move chain is highly compatible with DID</li><li>* The vision of the Move chain is highly compatible with DID</li><li>* DID is the infrastructure of the next generation of decentralized Large-scale Finance</li><li>* DID is the infrastructure of the next generation of Decentralized Society</li></ul>	<p>For end users(personal users): MoveDID is a service provider that provides services with partners, providing support at both the protocol level and the data level.</p> <p>For B-side partners: MoveDID can adopt a flexible Case by Case cooperation method to capture high-value partners.</p>	<ul style="list-style-type: none"><li>* End users(personal users):who focus on developers in the early stage</li><li>* Web3 teams who need personal/organizational user persona</li><li>* Web3 teams who need various toolsets based on MoveDID</li></ul>
	Key Resources		Channels	
	<ul style="list-style-type: none"><li>* Noncegeek developer DAO</li><li>* Technical strategic partners, such as Aptos, PNS, etc.</li><li>* Community partners, such as 706 Youth Space, etc.</li></ul>		<p>For end users(personal users):</p> <ul style="list-style-type: none"><li>* Partner user groups, such as Aptos, PNS, etc.</li><li>* Cooperative "DAO/Community" user groups, such as 706 Youth Space, etc.</li><li>* NonceGeekDAO community itself</li></ul> <p>For B-side users:</p> <ul style="list-style-type: none"><li>* Various NonceGeekDAO partners</li></ul>	

Cost Structure	Revenue Streams
<ul style="list-style-type: none"><li>* MoveDID contract development work</li><li>* MoveDID SDK development work</li><li>* Data layer development work</li><li>*Demo dApp (Soulcard, etc.) development work</li><li>* Marketing activities</li></ul>	<ul style="list-style-type: none"><li>* Revenue from data services provided by MoveDID-based user groups</li><li>* Revenue from the commercial version of the toolset</li><li>* Revenue from self-operating upper-level dApps (such as SoulCard)</li></ul>





# RoadMap



# Road Map

**2022.12.01**

publish ex SDK V1.0, publish DID V1.0, publish VC-NFT V1.0

**2023.03.01**

publish ex SDK V2.0,  
publish DID V2.0, publish  
VC-NFT V2.0, publish dApp  
Examples

**2023.05.01**

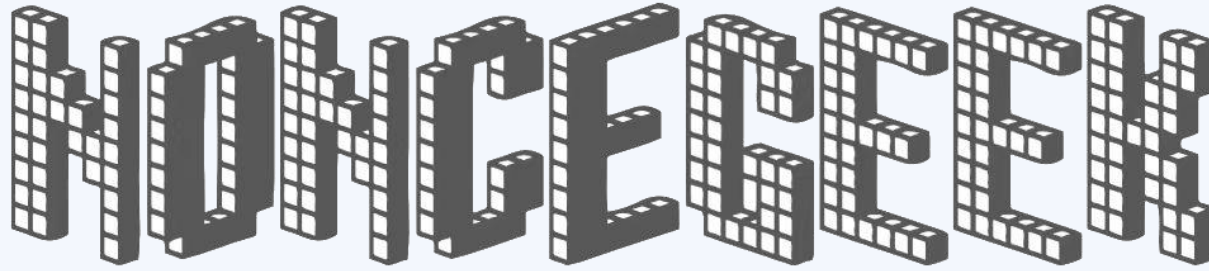
SoulCard with MOVE DID  
Whitepaper with Token Model release



## Team Introduction



## Team — NonceGeekDAO



**Telegram: @leeduckgo**

**<https://noncegeek.com>**

**<https://github.com/noncegeek>**

**Cool-oriented Programming.**



## Team — NonceGeekDAO

A Decentralized Developer DAO that based on Github, which focus on Move in 2022

**DAO Panel:** <https://dao.noncegeek.com/>

**Collaborative Records for MoveDID:**

<https://github.com/NonceGeek/MoveDID/issues?q=is%3Aissue+is%3Aclosed>

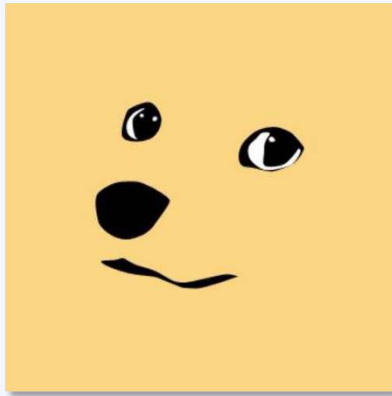
**Web3 dApp Camp based on Github Discussion:**

<https://github.com/NonceGeek/Web3-dApp-Camp/discussions>



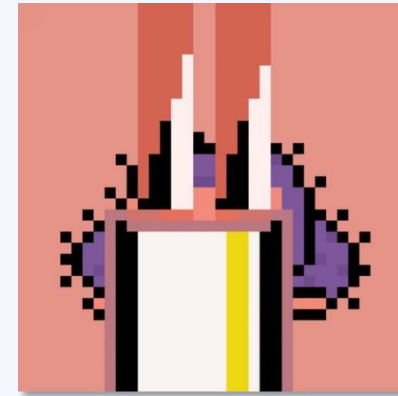
# Founders

## Leeduckgo



Cool-oriented Programming  
Years of experience Web3 Engineer  
Master of Peking University

## Kei



Graduated from HUST with a bachelor's degree  
Studied interaction design in the UK  
A product manager with 6 years of rich experience