

# Jigstack

The DAO of DeFi

Defying the Complexities of Modern DeFi

Refreshed and repurposed by:  
Stuart Hollinger, Jigstack Technical Writer

&

Charles Robinson, Jigstack CBDO<sup>1</sup>

5/15/2021

## Executive Summary

Blockchains have been around since 2008, but have only recently gained mainstream media attention because of the birth of Decentralized Finance or DeFi. As of this writing, according to <https://DeFiPulse.com/>, close to 50 billion dollars has been locked in smart contracts within the DeFi ecosystem (this number was 25 billion only 3 months ago). Locking tokens in a collateralized debt position (CDP) as the basis for loans, providing value to liquidity pools for the emergence of decentralized exchanges, digitizing art (NFT), staking tokens as a means to govern a platform and generating protocol fees, and other financial derivatives such as synthetic assets are just a few things these smart contracts can offer and the value locked within is only going to increase as the DeFi ecosystem develops and becomes more established. The future of money is here, it is digital, and comes with frictionless capabilities by avoiding fee-taking middlemen such as central banks, brokerages, and centralized exchanges.

The DeFi landscape has become fragmented and it's Jigstack's vision to bring back wholeness, simplicity, and understanding to the users. The Jigstack protocol aims to do this by developing a suite of productive flagship DeFi products that are all governed under a single Decentralized Autonomous Organization (DAO). This is unprecedented in the DeFi ecosystem.

---

<sup>1</sup> Note from The Author: The Jigstack team considers this document the main vehicle to communicate our ongoing vision, ethos, and forward-looking projects. Think of this whitepaper as our ongoing think tank.

# 1 Jigstack's \$STAK - The DAO of DeFi

The term DAO stands for “decentralized autonomous organization” and can be described as an open-source blockchain protocol governed by a set of rules, created by its elected members, that automatically execute certain actions without the need for intermediaries. Software or governance improvement proposals, DAO direction, financial remuneration for service providers, vendor selection, etc. are all handled by community participation.

DAO's up to the current time have been focused on specific types of protocols, whether that be lending platforms, NFT art marketplaces, decentralized exchanges, or even leveraged yield farming platforms, all of these DAO's are dealing with a single product.

Jigstack, on the other hand, aims to create a structured system for the DAO to exist within, utilizing \$STAK as its governance token, incorporating a variety of specific DeFi protocols under one Jigstack umbrella. With strategic partnerships, such as Hedera Hashgraph, utilizing our protocols and creating our very own in-house flagship DeFi products, Jigstack positions itself to be the brand name for the DAO of DeFi.

## 1.1 Simpler, More Intuitive Interface

We want people to think simple, multi-purpose, and powerful when they hear Jigstack. We plan on building, partnering with, and white-labeling a variety of DeFi products and services allowing ease of access through a single portal to the DeFi ecosystem for our user base. This will be done by ensuring each new product under the Jigstack DAO umbrella is created with caterance to simplicity for user experience.

Jigstack will be the “One Stop Shop” for everything DeFi, and on top of that, it will offer a consistent and intuitive interface and experience for all users. We want grandma to be able to participate in and enjoy the DeFi experience. The Jigstack platform will create the cryptocurrency safe-space allowing users to easily understand each product and how to interact with it, thus gaining exposure to the DeFi ecosystem in a safe and effective manner.

## 1.2 Jigstack: What's in a Name?

The Jigstack platform is the *next evolution* of what can be termed a “*DeFi stack of tools*”. Each piece of technology developed under the Jigstack DAO has the potential of being *stacked* together where the output from one product becomes the input to another product. Interoperable protocol stacking is a key component to the potential addressable market for Jigstack.

Jigstack will empower its user base by eliminating the middlemen and returning the value back to the users. Jigstack users can easily, intuitively, and most importantly *securely* become the masters of their own financial universes. With unique protocol interoperability, Jigstack

enables its users to see the bigger picture of how each individual DeFi tool can play a part in their own financial management schema.

## **1.3 Jigstack is a Team Player**

There are many interoperability benefits to working as a team rather than competitors in the DeFi ecosystem. Some examples could be increased exposure to new token listings, gaining access to instant lending markets, and highly reducing platform fees. Jigstack has already shown how being a team player can benefit everyone through its unique partnership agreements:

### **1.3.1 Hedera Hashgraph**

Hedera is unique in that it achieves the same result as the most ubiquitous public blockchains (such as Bitcoin or Ethereum), but in a way that is faster, fairer, and more energy-efficient, stable, and secure. Hedera Hashgraph has its own means for the issuance of new tokens on its blockchain called Hedera Token Service (HTS). Jigstack's first flagship product, Lemonade Stand, a next-gen DeFi token launchpad, will be integrated with the Hedera ecosystem, where it will act as a launchpad for all blockchain-native projects.

With this partnership, we are able to provide an intuitive interface and a simple user experience for first-time token issuers and new users looking to participate in token launches. We charge a small fee on token launches that get funnelled back to the Jigstack DAO.

### **1.3.2 Polygon**

Polygon is an Ethereum token that powers the Polygon Network, a multichain scaling solution for Ethereum. Polygon aims to provide faster and cheaper transactions on Ethereum using Layer 2 sidechains, which are blockchains that run alongside the Ethereum main chain.

With this partnership, we are able to significantly reduce gas fees for our users compared to the Ethereum Mainnet. This will increase user experience and provide more opportunities as high gas fees are the biggest downfall to enter these positions. We are excited to carry this partnership forward and for Polygon to be a key player in our core DeFi technology developments in the near present and into the future.

### **1.3.3 Bonded Finance**

The Bonded platform was created to incubate and deploy experimental, high-yield, smart-contract-driven, financial instruments that push the bounds of open finance. Bonding is an algorithmic model that aims to unlock, aggregate, and de-risk ~50 billion in dormant value distributed amongst untapped digital assets. Bonded proposes a new fintech solution deploying both permissioned and permission-less high yield exotic financial products in the rapidly growing DEFI sector.

With this partnership, we are able to provide instant access to lending markets for newly issued tokens. This is unprecedented in the DeFi space, yet serves as a valuable example of what collaborative efforts can bring to the table. The combination of raising funds through a token sale and having the ability to instantly enter a lending market creates extra incentives for users from day one.

## **1.4 Final Word**

The primary purpose of JigStack is to govern a range of high-quality, productive network solutions on the Ethereum blockchain and other ecosystems. All of the current and future applications, products, and services will be grouped under the JigStack DAO umbrella. Community members govern the DAO as they can exert governance rights, orchestrated via the native JigStack token (\$STAK). With strategic partnerships, the implementation of DeFi products catering to the simplicity of user experience, and Jigstacks consolidated suite of tools and products, it's only a matter of time until the whole of crypto knows Jigstack as the DAO of DeFi.

## **2 The Ethereum Problem**

### **2.1 Ethereum as a platform is fragmented and inefficient**

The current Ethereum landscape is fragmented, as more than 365,000 token contracts have been deployed to date. There are far too many individual tokens and DeFi platforms with varying degrees of quality, security, and user intuitiveness. This creates unlimited complexities with no sort of regulation for token issuance and destroys the user experience. What decentralized finance truly needs is a consolidation of quality rules-of-thumb and oversight that will accompany, accelerate, and increase the overall usage of tokens in the DeFi solution space.

### **2.2 Speed over security**

The current development cycle of “build fast, break things”, while exciting, carries serious consequences. It's now gotten to the point where speed to market has been prioritized over

protocol security and user-centric design, resulting in untenable capital risk and a hindrance to wider adoption. Vulnerabilities, hacks, rug-pulls, and lost capital has become an industry standard and this is what Jigstack wants to change.

## **2.3 The Jigstack Solution**

We introduce Jigstack - a suite of DeFI products superior to other products in the DeFI market. We are focused on creating a decentralized multi-platform DAO capable of governing a growing range of productive network solutions with a higher degree of quality, security, and user-friendliness than existing market incumbents.

The superiority of Jigstacks products can be seen through:

### **2.3.1 Interoperability**

Some products under the Jigstack umbrella can provide more value to users when paired together with other products. An example of this can be seen through the interoperability between Lemonade and ETHLINK (See section 5).

### **2.3.2 Jigstack DAO**

All of the upcoming products to be added to the Jigstack umbrella will be filtered through the DAO product selection process to ensure only the highest quality of products gets released on Jigstack. The DAO will also conduct which tokens can be launched on the Lemonade launchpad using a similar process, which further contributes to the amelioration of 1.1.2.

### **2.3.3 Partnerships**

Gaining strategic partnerships can provide new value to the Jigstack protocol. The partnerships Jigstacks has acquired has allowed the functionality for:

- Lower platform transaction fees (Polygon)
- Increased scope of products and exposure to new token issuers or ordinary users (Hedera Hashgraph)
- Provision of lending markets for any token that gets launched using Lemonade (Bonded Finance)

### **2.3.4 Product Design**

User experience is of utmost importance for Jigstack. We ensure each product developed/integrated with our platform meets the Jigstack standard for quality, efficiency, and ease of use. This will lower the barrier to entry for new DeFi users by allowing a larger number of users to be able to understand and interact with some of the more advanced DeFi products.

## **3 Jigstack design**

Jigstack houses a myriad of Ethereum based commercial tools operating under the governance of a single Decentralized Autonomous Organization (DAO). Additionally, the infrastructure encompasses a single governance feed, orchestrated via the native Jigstack's token – STAK. (See 3 for STAK governance model)

In order to develop a closed-loop economy where all active participants are incentivised to share and contribute, all fee income/revenue will be applied towards improving offered products and community incentives. \$STAK holders will be able to govern all products under a single DAO, which is unprecedented in the DeFi industry.

### **3.1 The Jigstack Standard**

#### **3.1.1 Quality Standardization**

Any dApp deployed under the Jigstack's DAO umbrella will adhere to a high and uniform quality standard. This is quantified through Jigstack's Lemonade Launchpad "Guiding Principles". See below.

#### **3.1.2 Brand Confidence**

All network dApps and products built under the Jigstack's brand will benefit from market-wide trust and confidence.

#### **3.1.3 Reduce Risk**

Diversification reduces risk for token holders. In this format, any single subsidiary product performing below expectations can be counterbalanced by other platforms under the Jigstack DAO.

#### **3.1.4 Multiple Interoperable Products**

All network products can feed off each other's capital and user base to create an interwoven and robust mutually-dependable sub-economy.

### **3.2 Actors in the Jigstack's networks**

There are 4 main roles in Jigstack's network:

1. Jigstack's token holders: participate in the Jigstack's DAO governance whenever Jigstack's DAO requires a consensus on a proposal.
2. Developers: who have ideas and want to build tools under Jigstack's umbrella. Jigstack can request an ecosystem grant from Jigstack's DAO to fund the development of projects.

3. Users: who use any products under Jigstack’s umbrella. Each product can have its own fee system and contribute to the Jigstack’s network.
4. Jigstack’s operators: who help to develop and monitor the Jigstack’s network.

## 4 Jigstack DAO

### 4.1 DAO of DeFi

Jigstack DAO is the first decentralized Ethereum-based DAO (autonomous organization) with a consolidated structure. Its purpose is to govern a range of high-quality, productive network solutions on the Ethereum blockchain. Our approach is much better than any competitor on the market:

Traditional Structure	DAO Structure
Leaders make decisions	Community voting
Distorted directives	Clear directives and transparency
No autonomy to innovate	Everyone can propose ideas to innovate
Global growth is limited	Facilitates Global Diversification
Stifling innovation and progressive thinking	Carte blanche to innovate and increasing expertise

Jigstack’s DAO approach is superior because:

1. We put the “decentralized” back into “decentralized finance”.
2. Quality standardization ensures projects adhere to a high-quality standard.
3. Our DAO offers global brand recognition and strengthening.
4. Jigstack reduces the risk for users due to our counterbalancing mechanism.
5. Jigstack’s DAO introduces multiple inter-operable products from all DApps developers under the umbrella portfolio.
6. Network products help each other grow to create a mutually dependable economy.

Operating as a DAO makes the most sense for Jigstack due to their ability to attract new voices, perspectives, and ideas that weren’t there otherwise. Holders of \$STAK will be able to take part in the governance discussion through the governance forums. Here \$STAK holders can submit proposals, vote on topics, and discuss the Jigstack vision.

### 4.2 How Jigstack’s DAO works

As mentioned above, Jigstack houses a myriad of Ethereum based commercial tools operating under the governance of the single Jigstack’s DAO.

Token holders can stake their STAK into Jigstack's DAO POOL and offer them to third party borrowers/protocols in exchange for fees. Depending on the demand, there will be various terms offered by these third parties, including flexible and locked rates for users to choose from.

Developers can propose their ideas to the Jigstack's DAO, request ecosystem grants for development, or use Jigstack as the brand of their products. Jigstack's token holders can participate in Jigstack's DAO governance to vote on these matters, thus improving the overall protocol.

Fee income/revenues from all applications under Jigstack's network will be divided into different categories, for different types of productive services and contributions rendered on behalf of the network. A portion of these will be distributed to users who have participated in the Jigstack's DAO governance, otherwise the project will not be able to gain the desired traction.

## **4.3 Jigstack DAO technical specification**

### **4.3.1 DAO Pool Staking Platform**

#### **4.3.1.1 Overview**

The DAO Pool Staking Platform is one of the main products offered by Jigstack, which operates as a decentralised market where users may deposit digital assets, and have them made available to third party borrowers/protocols via secondary smart contracts entered into directly with these third parties, in exchange for a fee. The Staking Platform allows users to stake various tokens into the DAO Pool's smart contract using the Jigstack DAO website or Jigstack wallet. In a future version, the team will research and possibly implement a *cold staking* feature for better security and user experience.

Depending on the demand as well as the exact terms set by and entered into with these third party borrowers/protocols it is anticipated that there will be differing terms offered by these third parties to attract lenders, for example including flexible and locked rates for users to choose from.

In order to ensure network stability, these borrowers/protocols which have liquidity demands will be required to deposit other collateral tokens to participate. The collateral can be liquidated if it reaches the LIQUIDATION\_THRESHOLD. In that case, users will either repay the loan or deposit more collateral to prevent the trigger of liquidation.

Stay tuned to each update of this whitepaper as we will be communicating all-new features, ultimately as voted on by our DAO Community, here.



#### **4.3.1.2 Jigstack's DAO Fees**

If the total volume of all Jigstack's products is \$100M for a month (which is relatively small), the network will charge 1% which is \$1M as revenues. To develop a self-sustainable, closed-loop economy, all such transaction fees collected would be re-distributed as incentives for active contributors within the ecosystem.

Note: the more products are built under Jigstack's umbrella, the more utility functions which will be attributed to \$STAK tokens. At present, and depending on the efforts of community contributors, Jigstack intends to launch 4-6 or more projects per year.

### **4.3.2 Jigstack DAO Governance**

#### **4.3.2.1 Overview**

Any user can stake \$STAK in the pool to be eligible to vote for governance proposals. Token holders can either stake \$STAK and vote directly or delegate their votes to a 3rd-party staking service to do it on their behalf.

If you delegate your votes to a 3rd-party staking service, you are entering into secondary contracts with such parties, and they are responsible for voting on your behalf and ownership of your funds. Jigstack does not hold your funds or manage the process of delegation.

#### **4.3.2.2 Proposal**

There are 2 types of proposals:

1. Proposal with on-chain executions: getting consensus from Jigstack's DAO to change system parameters, once the proposal is passed, anyone can call execute the proposal to trigger the updates with a time lock. There could be short and long-time lock periods depending on how urgent the proposals.
2. Proposal without on-chain executions: only asking for the consensus from Jigstack's DAO and there are no on-chain executions. For example: asking Jigstack's DAO to add certain features to the ecosystem. Once the proposal is finalized, Jigstack's team can start to do the development.

#### **4.3.2.3 Proposal Creation**

Creator

We defined a PROPOSITION\_THRESHOLD param which is the minimum percentage of supply needed to submit a proposal, where 10,000 is 100% of the supply. For example: if PROPOSITION\_THRESHOLD is set to 10, anyone who has staked  $\geq 10/10000 = 0.1\%$  of the total supply of \$STAK can submit a proposal to the Jigstack DAO.

This value will be decided by the Jigstack's team and can be adjusted by the Jigstack's DAO.

Parameters:

- Executor (address): the executor contract that will execute the transactions after the proposal is passed, it is only used for the proposal type 1. It can be an executor with a short time lock period, or with a long-time lock period.
- Targets (address[]): list of contracts that are called by the proposal's associated transactions. For proposal type 2, it will be an empty array.
- Values (uint256[]): list of values (in wei) for each transaction. For proposal type 2, it will be an empty array.
- Signatures (string[]): list of function signatures (can be empty) to be used when creating the callData of each transaction. For proposal type 2, it will be an empty array.
- Calldatas (bytes[]): list of call data for each transaction. For proposal type 2, it will be an empty array.
- Options (string[]): list of options to vote for. For proposal type 1, it can be either "Approve" or "Reject". For proposal type 2, it can be anything that the creator wants to get the consensus from Jigstack's DAO.
- startTime (uint256): start timestamp of the proposal, it should be greater than the current block timestamp.
- endTime (uint256): end timestamp of the proposal, it should be greater than the startTime, and  $\text{endTime} - \text{startTime} \geq \text{VOTE\_DURATION}$  Defined by the Jigstack's team.

#### 4.3.2.4 Proposal Cancellation

Who can cancel the proposal?

Similar to proposal creation, we Defined a MIN\_QUORUM param which is the minimum percentage of supply needed to cancel a proposal, where 10000 is 100% of the supply. For example: if MIN\_QUORUM is set to 20, anyone who has staked  $\geq 20/10,000 = 0.2\%$  of the total supply of \$STAK can cancel a proposal to the Jigstack DAO.

When can a proposal be cancelled?

A proposal can be cancelled any time if it is not cancelled/executed/expired/finalized yet.

#### 4.3.2.5 Proposal finalization

Proposal with on-chain executions:

Proposals can either be passed or failed. We defined the MIN\_NUMBER\_VOTES and VOTE\_DIFFERENTIAL params which is the percentage of supply.

A proposal is passed if:

1. Total number votes  $\geq$  MIN\_NUMBER\_VOTES.

2. Number votes for “Approve” is greater than “Reject” at least  $VOTE\_DIFFERENTIAL$ .

Example:  $MIN\_NUMBER\_VOTES = 100$ ,  $VOTE\_DIFFERENTIAL = 20$ . The total votes for “Approve” and “Reject” must be  $\geq 100/10,000 = 1\%$  supply. The proposal is passed if  $Approve - Reject \geq 20/10,000 = 0.2\%$  supply.

Proposal without on-chain executions:

Similar to the above, but a proposal could have many options. An option is a winning option if it has the highest vote amount of all options, and the different votes between the highest and the second-highest options must be at least  $VOTE\_DIFFERENTIAL$ .

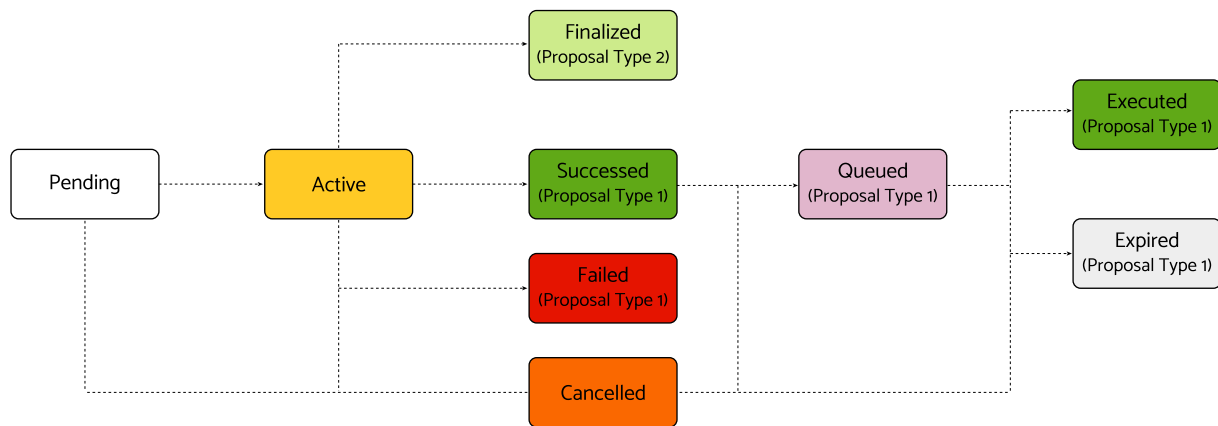
Example:  $MIN\_NUMBER\_VOTES = 100$ ,  $VOTE\_DIFFERENTIAL = 20$ . The total votes for all options must be  $\geq 100/10,000 = 1\%$  supply. Assume there are 4 options with corresponding vote counts: (20, 42, 20, 21). The option 2 is the winning option because:

1. The total votes is 102 which is  $\geq MIN\_NUMBER\_VOTES = 100$ .
2.  $option2 - option4 = 42 - 21 = 21 \geq VOTE\_DIFFERENTIAL = 20$ .

#### 4.3.2.6 Proposal states

There are 9 different states for a proposal:

1. Pending: The proposal is created and the current timestamp  $<$  the proposal's `startTime`.
2. Active: the proposal's `startTime`  $\leq$  the current timestamp  $\leq$  the proposal's `endTime`.
3. Canceled: The proposal is canceled.
4. Failed: The proposal is ended, but it is not passed. This state is only for proposal Type 1.
5. Succeeded: The proposal is ended, and it is passed. The state is only for proposal Type 1.
6. Queued: The proposal is passed and has been queued to be executed. The state is only for proposal Type 1.
7. Expired: After the proposal is queued, if it is not executed after `EXPIRE_TIME` the proposal will be marked as expired and can not be executed. The state is only for proposal Type 1.
8. Executed: The proposal is executed successfully. The state is only for proposal Type 1.
9. Finalized: The proposal is ended. The state is only for proposal Type 2.



### 4.3.3 Voting

Anyone that has staked to the Jigstack's DAO can vote on any proposals. The proposals must be in the Active state. Users can change their vote any time as long as the proposal is still in the Active state. The voting power of the stakers will be calculated based on how many tokens they have staked in the Jigstack's DAO.

### 4.3.4 Rewards

\$STAK holders can stake their tokens and participate in the Jigstack's governance to receive participation rewards. Stakers must vote on proposals to get \$STAK rewards, and the more proposals they vote for, the higher rewards they receive. Stakeholders can go to Jigstack's website to claim rewards. The number one issue with DAO's is the low voting percentage. It's the old 80-20 rule, with most DAO's, 80 percent of the voting is done by so percent of the community. Jigstack means to change that to 80-80 by actually incentivising users to vote!

### 4.3.5 Implementation & Bounties

For proposals to change system functionalities, each proposal should include an implementation plan and a \$STAK bounty. Any user which contributes work is eligible for the reward – frequently the Jigstack's team will be responsible for implementation, but external teams from the Jigstack's community can also bid for implementation to earn the bounty.

### 4.3.6 Jigstack APIs

Jigstack DAO exposes the list of APIs for stakers, third-party platforms, money makers, users, etc to interact with all components in the Jigstack's ecosystem, especially participating in the Jigstack's DAO governance for concessions and rewards.

#### 4.3.6.1 Token Holders API

Token Holders API can be called by both normal Ethereum and contract accounts. These APIs allow token holders to interact with Jigstack's DAO to the stake, withdraw, and delegate their tokens.

**Stake(amount)**

The stake function transfers Jigstack's token from the user's wallet to Jigstack's DAO Governance contract and records the voting power of that user. For example, users call: Stake(1000) to stake 1000 \$STAK, and later can vote on proposals to receive rewards.

**Withdraw(amount)**

When a user calls the Withdraw function it will allow the user to withdraw his staked \$STAK from Jigstack's DAO contract, reducing his voting power simultaneously. For example, users call Withdraw(1000) to withdraw 1000 \$STAK, tokens will be transferred from Jigstack's DAO contract to the user's address.

**Delegate(delegate)**

The Delegate function allows a user to delegate his stake to another address. This delegator address will be able to vote and receive rewards on behalf of the user.

**4.3.6.2 User API**

The User API can be called by any Ethereum address. It will depend on each product, like Lemonade, Ethlink, etc. When users use any of the products within Jigstack's network the network takes a 1% cut for network maintenance fees. Assume the total volume for a month is \$100M, the network will receive \$1M in revenue for network maintenance.

**4.3.6.3 DAO Pool API****CreateProposal(proposalType, excutor, targets, values, signatures, calldatas, startTime, endTime)**

The CreateProposal function allows anyone who has enough stake to create a proposal to get consensus from Jigstack's DAO.

**CancelProposal(proposalId)**

The CancelProposal function allows anyone who has enough stake to cancel a proposal if the proposal is in a state that can be canceled.

**Vote(proposal, option)**

The Vote function allows users to vote for an active proposal with a given option. For example, a proposal 1, with 2 options 1 or 2, users can call: Vote(1, 2) to vote for option 2 of proposal 1.

**QueueProposal(proposalId)**

The QueueProposal function allows anyone to queue a proposal to be ready for execution. The proposal must be of Type 1 and is passed.

**ExecuteProposal(proposalId)**

The ExecuteProposal function allows anyone to trigger the execution of a queued proposal.

**RecordRevenue(amount)**

The RecordRevenue function records the revenue from each product in the Jigstack's network.

**DistributeRevenue()**

The DistributeRevenue function will allocate funds to all contributors in proportion to active services based on predetermined logic.

**ClaimReward(index, staker)**

The ClaimReward function allows anyone to claim the reward for a stake.

**LoanToken(loanType, amount)**

The LoanToken function allows users to loan assets in the DAO Pool to third party users which have liquidity requirements.

#### 4.3.6.4 Operator API

**WhitelistProduct(product)**

The WhitelistProduct function allows Jigstack's operators to whitelist a product under Jigstack's umbrella, and get full support from Jigstack's ecosystem.

**DelistProduct(product)**

The DelistProduct function allows Jigstack's operators to delist a malicious or badly behaving product if it doesn't meet Jigstack's standard. Hopefully, such a project would never be allowed access in the first place.

#### 4.3.7 Support innovations

Any developers with innovations can join Jigstack's network and enjoy support from the whole ecosystem.

Developers can also request for a grant in fiat or crypto to develop their ideas to a working product from Jigstack's DAO, and later join the suite of products and tools as a valuable partner.

## 5 JigStack Token (\$STAK)

The native digital cryptographically-secured utility token of Jigstack (**\$STAK**) is a transferable representation of attributed functions specified in the protocol/code of Jigstack, and which is designed to be used solely as the governance token on the network.

In order to promote decentralised community governance for the network, \$STAK would allow holders to propose and vote on governance proposals to determine features and/or parameters of Jigstack as well as protocol improvements, with voting weight calculated in proportion to their stake. The bundle of voting rights attributed to \$STAK may be exercised

personally by the token owner, or delegated to other users via the protocol smart contracts. For the avoidance of doubt, the right to vote is restricted solely to voting on features of Jigstack and/or changes to the governance process; the right to vote does not entitle \$STAK holders to vote on the operation and management of the Company, its affiliates, or their assets, and does not constitute any equity interest in any of these entities.

\$STAK also provides the economic incentives which will be distributed to encourage users to contribute and maintain the ecosystem on Jigstack, thereby creating a win-win system where every participant is fairly compensated for its efforts. \$STAK is an integral and indispensable part of Jigstack, because without \$STAK, there would be no incentive for users to expend resources to participate in activities or provide services for the benefit of the entire ecosystem on Jigstack. Given that additional \$STAK will be awarded to a user based only on its actual usage, activity and contribution on Jigstack, users of Jigstack and/or holders of \$STAK which did not actively participate will not receive any \$STAK incentives.

\$STAK does not in any way represent any shareholding, participation, right, title, or interest in the Company, the Distributor, their respective affiliates, or any other company, enterprise or undertaking, nor will \$STAK entitle token holders to any promise of fees, dividends, revenue, profits or investment returns, and are not intended to constitute securities in Singapore or any relevant jurisdiction. \$STAK may only be utilised on Jigstack, and ownership of \$STAK carries no rights, express or implied, other than the right to use \$STAK as a means to enable usage of an interaction within Jigstack.

It is the community members which would drive development of Jigstack, so \$STAK token incentives would need to be distributed to compensate them for their time, expertise and effort. For example, users which have participated in submission of proposals, commenting, reviewing and/or voting will be entitled to receive \$STAK token governance rewards. The DAO is not intended to be any form of joint venture or partnership.

When certain improvements or system functionalities need to be changed, the network will set out a community call for proposal, with an implementation plan and a \$STAK bounty. Any user which contributes work is eligible for the reward, thereby creating an active and vibrant developer community. Frequently the Jigstack's team will be responsible for implementation, but external teams from the Jigstack's community can also bid for implementation to earn the bounty.

In order to promote Jigstack to a wider audience and for it to function properly, users would need to be incentivised to play the role of liquidity providers and stake their digital assets into the DAO Pool Staking Platform, thereby offering liquidity services for third party borrowers/protocols. As compensation for opportunity costs, these contributing liquidity providers which help to promote adoption of Jigstack by staking or including assets to liquidity pools in exchange for liquidity provider tokens would be rewarded with \$STAK tokens (i.e. "mining" on Jigstack), according to each user's relative contribution after various adjustment and correction parameters.

## **5.1 Jigstack's token roadmap**

### **April 2021**

- Lemonade Launch V1
- Public Sale
- DEX Listing

### **May 2021**

- Stakbank V1
- Lemonade V2
- 1st Lemonade Project
- CEX Listing

### **June 2021**

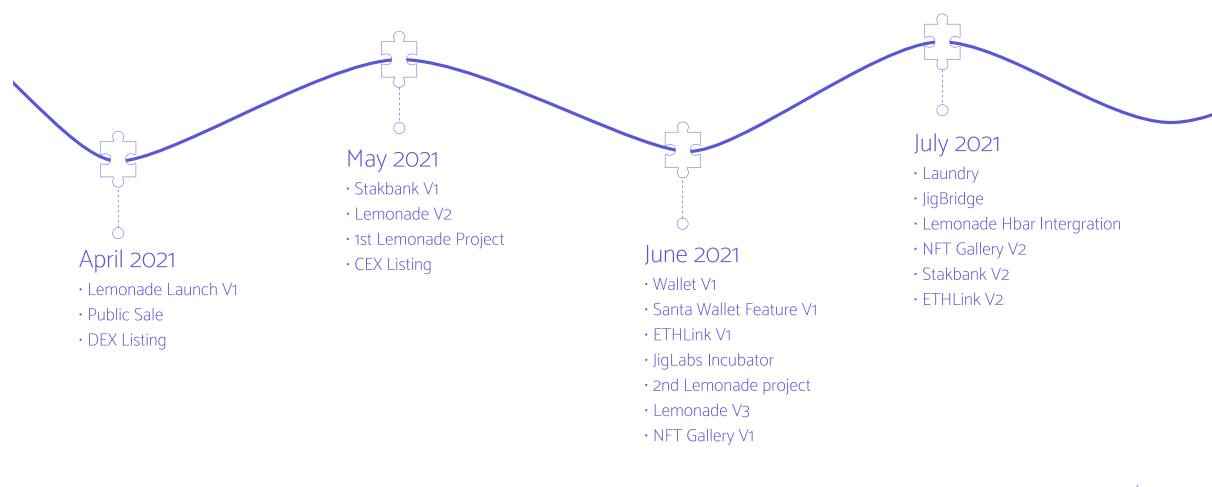
- Web Browser Wallet V1
- Santa Wallet Feature V1
- EthLink V1.0 Open Source
- JigLabs Incubator
- 2nd Lemonade Project
- NFT Gallery V1.0

### **July 2021**

- Laundry
- JigBridge
- Lemonade Hbar Integration
- NFT Gallery Version 2
- Stakbank Version 2
- Commercial use EthLink V2.0



## Technical Roadmap



\$STAK are designed to be utilised, and that is the goal of the \$STAK distribution. In fact, the project to develop Jigstack would fail if all \$STAK holders simply held onto their \$STAK and did nothing with it. In particular, it is highlighted that \$STAK:

- does not have any tangible or physical manifestation, and does not have any intrinsic value (nor does any person make any representation or give any commitment as to its value);
- is non-refundable and cannot be exchanged for cash (or its equivalent value in any other digital asset) or any payment obligation by the Company, the Distributor or any of their respective affiliates;
- does not represent or confer on the token holder any right of any form with respect to the Company, the Distributor (or any of their respective affiliates), or its revenues or assets, including without limitation any right to receive future dividends, revenue, shares, ownership right or stake, share or security, any voting, distribution, redemption, liquidation, proprietary (including all forms of intellectual property or licence rights), right to receive accounts, financial statements or other financial data, the right to requisition or participate in shareholder meetings, the right to nominate a director, or other financial or legal rights or equivalent rights, or intellectual property rights or any other form of participation in or relating to Jigstack, the Company, the Distributor and/or their service providers;
- is not intended to represent any rights under a contract for differences or under any other contract the purpose or pretended purpose of which is to secure a profit or avoid a loss;
- is not intended to be a representation of money (including electronic money), security, commodity, bond, debt instrument, unit in a collective investment scheme or any other kind of financial instrument or investment;

is not a loan to the Company, the Distributor or any of their respective affiliates, is not intended to represent a debt owed by the Company, the Distributor or any of their respective affiliates, and there is no expectation of profit; and (g) does not provide the token holder with any ownership or other interest in the Company, the Distributor or any of their respective affiliates.

Notwithstanding the \$STAK distribution, users have no economic or legal right over or beneficial interest in the assets of the Company, the Distributor, or any of their affiliates after the token distribution. To the extent a secondary market or exchange for trading \$STAK does develop, it would be run and operated wholly independently of the Company, the Distributor, the distribution of \$STAK and Jigstack. Neither the Company nor the Distributor will create such secondary markets nor will either entity act as an exchange for \$STAK.

## 6 Products In The Network

### 6.1 Lemonade

Lemonade is a new token launchpad well-suited for upcoming DeFI projects. Its permissionless nature comes with hands-free automation and an a-la-carte sale structuring.

Any external third party token issuer can deploy a crowd sale in under 5 minutes. Other benefits include automating the token lock sequence, adjusting vesting periods, and managing the distribution of their token.

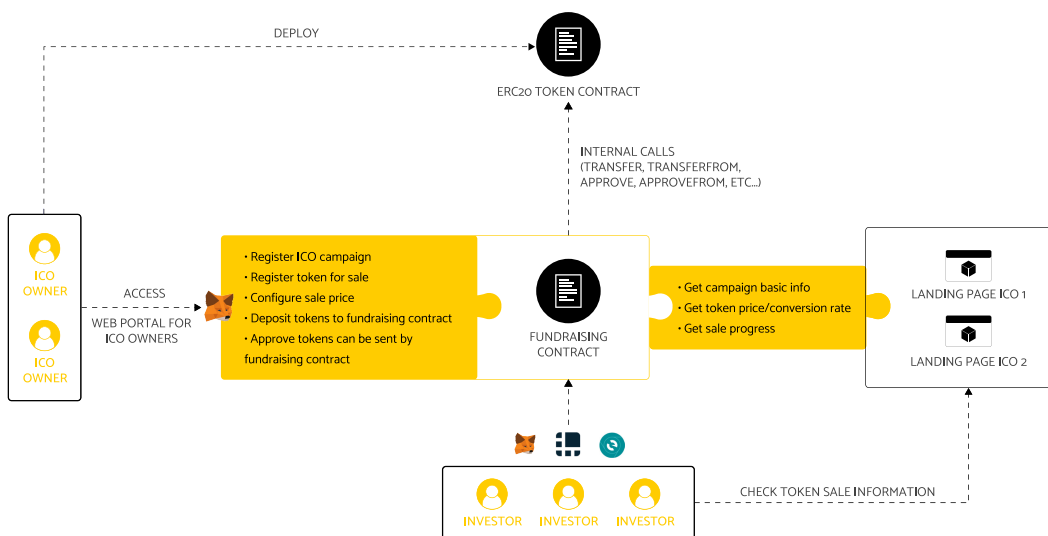
#### 6.1.1 Guiding Principles

1. The token must have at least one real-world use case – and preferably daily usage. We call this a “Utilization Token” as opposed to a “Speculation Token”. Furthermore, the token must play a part in the STAK ecosystem and be unique in what it adds to the STAK ecosystem – our governance token being at the heart.
2. Initially, Jigstack’s [ICORatings.com](https://icoratings.com) experts’ input will be solicited for not only the ratings but also whether the token proposal will be accepted or not. Acceptance is based upon the Guiding Principles in this White Paper. Eventually, the STAK user community will vote on all applicant’s projects for inclusion onto the platform.
3. For any custom smart contract code being introduced for the token, the token must adhere to Jigstack’s security standards. Briefly, these are 1, an independent smart contract audit must be passed by a reputable audit company in the space and posted on the ICORatings site and 2, penetration testing must be performed, again by a reputable company in the space and results posted on ICORatings. There may have to be several iterations of these audits for successful completion. For native Lemonade launches, no audits are required as Lemonade itself has been audited. For *JigLabs* custom development, audits are funded through Jiglabs. Security and Audit standards

protect Jigstack's community and ecosystem from malicious use and attack vulnerability. Jigstack, even though it is *non-custodial*, takes very seriously the protection of the digital assets that are deployed on its platform as well as its user's safety. Once destroyed, it is very difficult if not impossible to rebuild a reputation.

### 6.1.2 Lemonade Solves These Problems

1. Launchpads are expensive.  
Solution: Lemonade is free.
2. Launchpads take a long time to approve, and you may never be accepted.  
Solution: Lemonade will give you an answer 7 days from submitting your application.
3. Launchpads do not assist with marketing, you're on your own.  
Solution, ICORatings.com is integrated into Lemonade. Jigstack will publish and promote all token ecosystems approved.
4. Launchpads don't allow customization.  
Solution, JigLabs can customize your smart contracts to your needs.
5. Launchpads exist to build their platform and tokenomics. One shoe fits all approach.  
Solution, Jigstack exists to integrate each token into its comprehensive Defi approach. Each token exists and has merit not only on its own but to enhance the Jigstack Defi total platform solution. IE, token launching needs to make sense for the future of the Jigstack community.
6. DeFi token ecosystems are fragmented and users do not get a comprehensive view of their digital asset holdings.  
Solution, Jigstack's comprehensive vision includes a multi-platform portfolio view.



### 6.1.3 Multiple tiers support

Users in Lemonade's system will have different tiers depending on 2 main factors: Token Holding and Past Reputation. With a higher tier, a user can have a higher chance and limit when participating in any IDO on Lemonade.

#### 6.1.3.1 Token Holding

Token Holding refers to how many \$STAK tokens that users are holding, and how long they have been holding the tokens.

#### 6.1.3.2 Past Reputation

Past Reputation refers to the past actions that have been made by users. A user that consistently sells tokens after receiving from past IDOs will be marked with a bad reputation, this will affect the tier for that user for future IDOs. User behavior is monitored automatically by tools to adjust all reputations in real-time. The reputation not only affects future IDO allocations but also has an impact on all products under the Jigstack umbrella (for example, may affect credit checks and loan decisions). This is a unique feature that has not been implemented in any other launched launchpad. The blacklist mechanism will also be implemented to detect any malicious activities (like dumping tokens) to blacklist users from future support.

### 6.1.4 Advanced pools support

Lemonade plans to support advanced pools with advanced configurations, such as: password-protected private pools, whitelisted pools, dynamic or fixed swap pools, and auction-style pools, etc.

The token team can add many configurations to protect their pools, as well as their tokens.

### **6.1.5 Multi-chain support**

With the rise of the crypto space, Ethereum is sharing its market with other competitors. Lemonade plans to support multiple chains, including Hedera Hashgraph, Binance Smart Chain (BSC), Polkadot (over PolkaFoundry/Substrate), Layer-2 (Polygon), Avalanche, etc. With multiple chain support, under JigBridge, users can enjoy a single-entry point to access all IDOs from different chains.

### **6.1.6 Know-your-customer (KYC), Anti-Money-Laundering (AML)**

All token teams and users must do KYC with Lemonade. It helps:

- Prevent malicious teams from creating IDOs on Lemonade to protect users. With the KYC/AML system, users can confidently participate in all IDOs without worrying about the teams behind the projects.
- Protect token teams from malicious users or unknown sources of funds. The token teams don't have to worry about the sources of funds from the buyers. They can also block users from unsupported countries or areas to participate in their IDOs to comply with their Compliance.

### **6.1.7 Lemonade support**

Ethlink further enhances the potential of Lemonade. Key Opinion Leaders (KOL), influencers, etc can create their affiliate link on Ethlink and receive a commission when their followers participate in any IDOs on Lemonade. Influencers will be rewarded directly and in real-time. With more commissions, it will also help to increase the Past Reputation for influencers.

## **6.2 Products in Development**

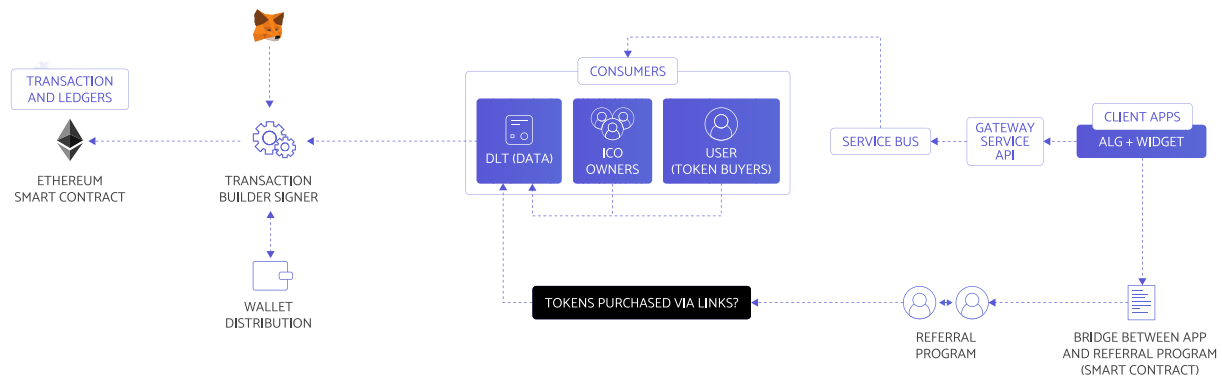
### **6.2.1 Santa**

Santa is a platform for giving gifts like ETH, tokens, and NFTs to others. Whenever someone gives a gift to another person who has no Ethereum account yet, the gift is kept in an escrow wallet and only distributed when the receiver registers a Santa account. Otherwise, the gift will be returned back to the sender.

### **6.2.2 JigStack wallet**

JigStack wallet is a full-featured wallet with versions for mobile, web, and browser extensions. It integrates tightly with other JigStack products. Users can stake, participate in IDO on Lemonade, or send gifts to friends through Sata from within the wallet.

## 6.2.3 ETHLink

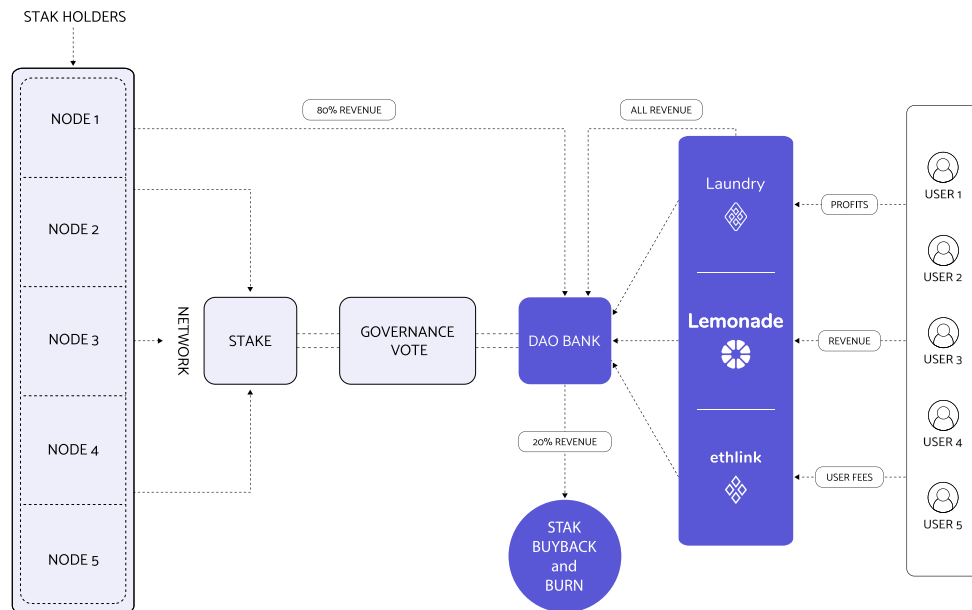


ETHLink is a decentralized affiliate link, but also an automated Network Marketing sales and marketing tool rewarding all contributors for their efforts. Moreover, it allows the original network promoters to reap the rewards from their extended marketing activity simultaneously by automating sales, marketing, and the conversion and transaction process of your entire operation. ETHLink is built on the Ethereum blockchain, will be brought to other Distributed Ledgers in the future, and is compatible with any Ethereum wallet. All fees and commissions are sent instantly and automatically to affiliate wallets. Our solution is the only hands-free DeFI product on the market.

### 6.2.3.1 Extend to any campaigns and projects

KOLs, influencers, etc can use Ethlink for any campaigns or projects related to crypto space and enjoy the commission. Setting up a campaign takes 20 seconds, providing a turn-key solution out of the box. Ethlink is compatible with all Ethereum wallets (or EVM compatible chains), allowing for smooth integrations.

## 6.2.2 Stakbank



Stackbank is the staking solution for JigStack’s native token, STAK. Token holders will receive revenue dividends generated by all products under the JigStack DAO umbrella. STAK token holders can stake their STAK in the Stakbank and earn 80% of all transaction fees that occur on the platform. The remaining 20% of protocol revenue is used to purchase STAK on the open market and then proceed to burning them, thus reducing supply. What makes Stackbank unique is how the revenue generated can be other ERC20 tokens, or even Ethereum, depending on how our partners implement this concept. Holders can earn revenue from any activity, regardless of how much money is involved. This approach is unprecedented in this industry and elevates Jigstack above competing concepts. Unlike other platforms, Stackbank lets users withdraw funds at any time without repercussions. However, to earn rewards, users must adhere to the commitment period outlined by the platform.

## 6.2.2 NFT Gallery

JigStack will be launching its own NFT gallery to buy, sell, and mint NFT’s. STAK holders will get preferred access to certain functionalities within the NFT Gallery platform.

NOTE: External developers can easily develop new products utilizing the Jigstack APIs and integrate into the whole Jigstack ecosystem.

We plan on releasing 4-6 products/year that will be added to the Jigstack DAO umbrella for \$STAK holders to utilise and govern.

## **7 The Team**

### **7.1 Core teams**

#### **Robert Weir - COO**

Tech entrepreneur, remote team expert and brand manager. Social media and digital marketing strategist well versed in Google, Facebook, digital commerce, and building remote agile teams across a varied skill set.

#### **Aidan Leonard - CTO**

Has 12 years in the Fintech space working on a variety of global projects with HSBC, Trintech and the BC Securities Commission. Worked as an eCommerce Project Manager with Arvato, implementing Adwords/Adsense payment projects for Google worldwide.

#### **Kaue Cano - Lead ETH Developer**

Kaue is a long-time blockchain engineer with more than 9 years of experience in software development, from Artificial Intelligence to Distributed Systems. In conjunction with giants from the ecosystem such as Chainlink, Solana, Matic, Ethereum NS, Syscoin & various others, he led and delivered various successful projects in the dApp and DeFi spheres. Takes up the role of Lead Ethereum Developer on Jigstack.

#### **Charles Robinson - CBDO**

Charles Robinson is an accomplished Author, Senior Developer of DApps and Web Apps, Green Energy Advocate, and a Coach with more than 20 years of success across multiple industries. Charles is a trusted adviser on the importance of Marketing, Dot.Money, DLT, DAO Design, Web, Blockchain, DAG Development, Ethereum, Hedera Hashgraph, Solidity Contracts. Charles is a sought-out speaker, trainer, and a tokenomics expert having been involved in over 20 DLT projects.

#### **Dilara Mataraci - Director of Product Development**

Tech savvy, well versed in Agile & Scrum, with over 10 years of experience in product design and product development.

Dilara's portfolio includes SaaS, responsive platforms, native mobile apps in wellness & fitness, entertainment, fin-tech, machine learning, and e-commerce industries. She brings her experience from her time assisting global companies such as Intel, Tchibo, and Tesco Kipa for their localized projects/products in Turkey & MENA regions.

#### **Filippo Balsano - Marketing Manager**

3+ Years of experience in Blockchain and Social Media. 1+ Years Experience as Binance Angel at Binance.com growing local community, organising meetups and managing telegram



groups. Social Media & Influencer Manager at Gaming Startup operating in the digital and blockchain collecting sector.

## **8 Conclusion**

The umbrella-based approach by JigStack raises the bar for blockchain and DeFi alike. Creating a unified standard of quality assurance across all protocols illustrates our focus on security and providing peace of mind for users. We push the envelope for innovation, accessibility, and security, three aspects that are essential to building reliable DeFi protocols.

Jigstacks protocol-specific consolidated structure for tools and products, paired with strategic partnerships, we are able to gain access to unique opportunities other protocols don't have the ability to achieve. This is a huge industry advantage that will continue to be a part of Jigstacks scope leading into the future. We expect, with the launch of governance, new ideas for innovation and integration with other protocols/platforms will emerge through our STAK governance debates & discussions, which will further bring value to the Jigstack ecosystem.

Every protocol under the JigStack DAO banner is built for mass adoption. They can be used as stand-alone solutions, but can also interoperate to unlock additional potential. Every protocol we build does one thing well, yet benefits from the solutions provided by our other products. This degree of interoperability has not been witnessed in the DeFi industry before. Decentralized finance is about empowering users and removing the barriers to entry. By building solutions that are compatible with one another - instead of removing value from one another - we can take decentralized finance to the next level and make known that Jigstack is the DAO of DeFi.