Kingaru

The Blockchain Built For Retail

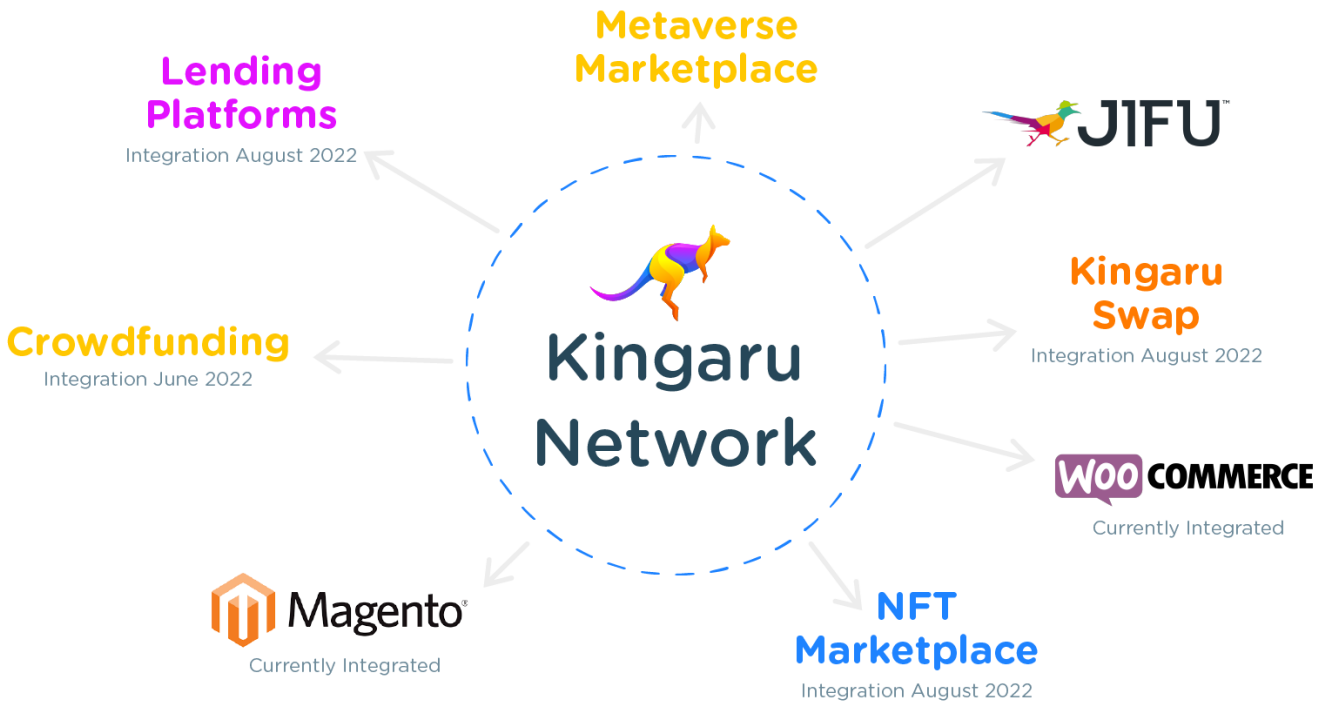
Motivation:

Kingaru is a project designed around utilization. Traditional demand for currency is driven by three factors: Usage, Storage, and Loss. Crypto in its current state is largely driven by just two of these factors: Storage, and Loss. Real world usage has yet to come to cryptocurrency on a large scale.

Starting with commerce & payment processing, Kingaru provides near instantaneous settlement speeds on par with that of VISA and for much lower fees for vendors than VISA or other payment processors charge.

Design Principles:

1. **Friction Matters:** In the world of Commerce, transactions need to be as frictionless as possible both for the vendor and the consumer. The friction can come from numerous places. Two primary ones are the speed of the transaction and the cost of the transaction. Kingaru tackles both plus more.
2. **EVM Compatibility:** The world is interconnected; currency is no different. The world runs better when different systems can work together. As such Kingaru is fully compatible with the Ethereum Virtual Machine and its technological standards.
3. **Staking Involved Consensus & Governance:** Proof of Stake derived blockchains are more environmentally friendly than previous iterations, provide for better community input and governance and allow for greater scalability and flexibility. Kingaru is a team player and a boon to local vendors and communities alike.
4. **Immersive Environment:** People like to be heard and give their input on subjects of importance to them. We want vendors and consumers alike to feel empowered by Kingaru.
5. **Broad Ecosystem:** The initial ecosystem will initially be developed by the Kingaru team, later the blockchain will be open to developers to implement new Dapps to enrich the principles of Kingaru's Immersive Commerce.



Consensus:

With any blockchain, the security of its transactions and the way by which they are verified is very important. Kingaru follows a Delegated Proof of Staked Authority model (DPoSA). This model provides for:

1. Kingaru time is significantly shorter than the Ethereum network, e.g., 5 seconds or even shorter.
2. Kingaru requires limited time to confirm the finality of transactions, e.g., around 1-min level or shorter.
3. There is no inflation of native token: KRU, the block reward is collected from transaction fees, and it will be paid in KRU.
4. Kingaru is EVM compatible
5. Kingaru allows modern proof-of-stake blockchain network governance.

Validator Quorum & Staking: In the genesis stage, a few trusted nodes will run as the initial Validator Set. After the blocking starts, anyone can compete to be elected as a validator by joining the pool of candidates. The chain is designed so that the top 21 most staked nodes will be chosen as the next validator set with an election repeating every 24 hours.

KRU is the token used to stake on the Kingaru Chain (KC).

To become a candidate and be elected as a validator, a minimum of 100,000 KRU is required to be staked. Those that do not have the minimum required amount of KRU may delegate their KRU to the validator of their choice, thus casting their vote to have that validator elected to be part of the validator set.

At UTC midnight each day the set of 21 validators will be calculated and selected and a verifiable ValidatorSetUpdate message will be issued to show the updated validator set. The existing KC validators after receiving this message will update their validator set after 1 epoch.

Security & Finality

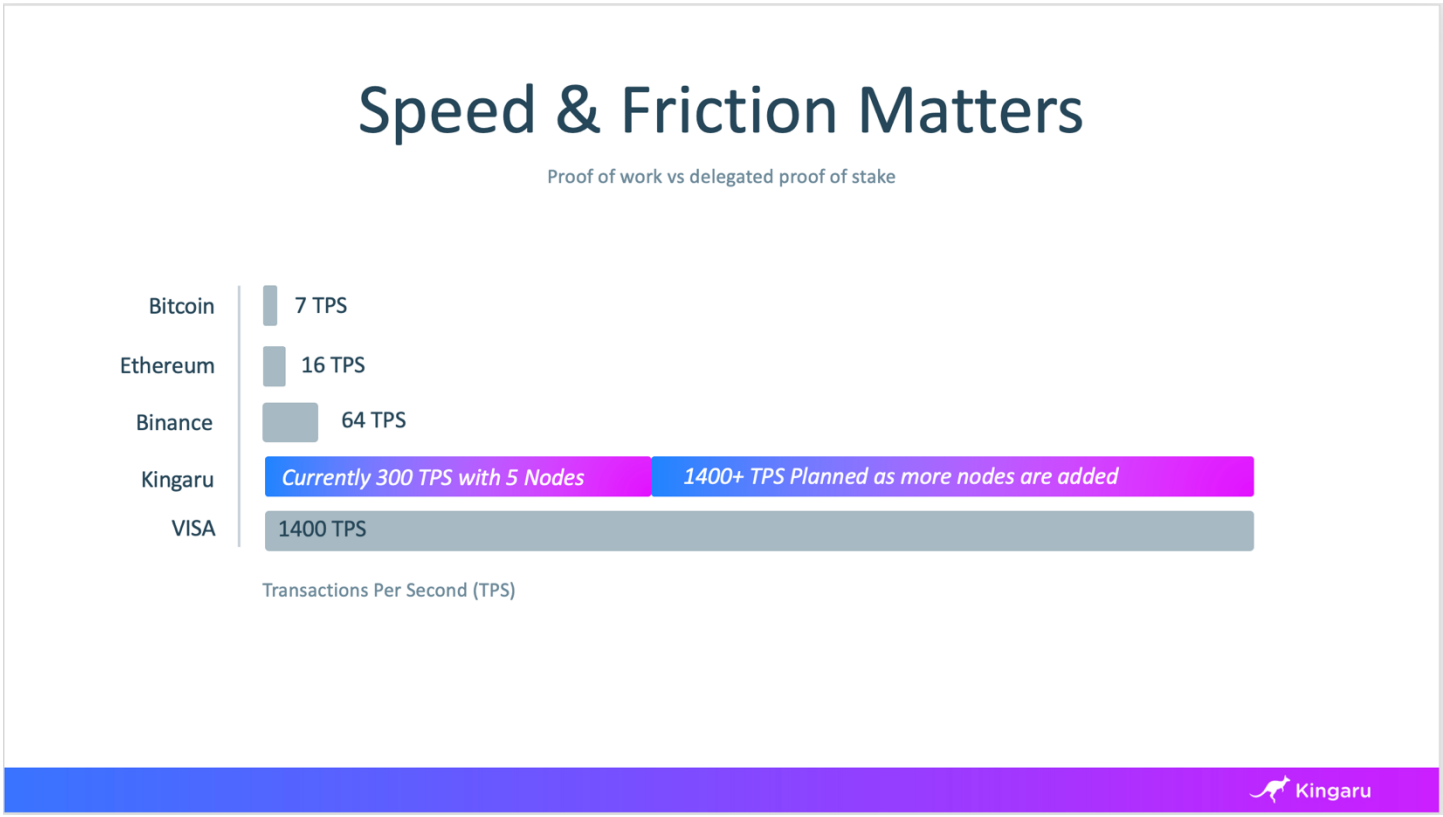
In determining transaction finality, given that more than half of the validator set is honest, KC will work securely and properly. There are cases where a certain number of validators may attempt to attack the network through what is known as a "Clone Attack" seeking to overcome this first hurdle. To provide additional hurdles, KC has slashing logic in place that penalizes those validators that facilitate double signing and inavailability schemes. This slashing logic will expose malicious validators in a very short time and make the "Clone Attack" very hard or extremely non-beneficial to execute. Coinciding with slashing, there is an unbonding period where staked KRU will remain bonded to Validators so that the slashing of their bonded KRU can be enacted when malevolent behaviors occur.

Rewards & Fees

Validators in the current validator set will be rewarded in KC transactions fees. The more transactions that happen on the network, the greater the rewards will be to the validators. KRU is the native token of the KC and as such transaction fees will be paid in KRU. As KRU is not an inflationary token, there will be no mining rewards similar to what the Bitcoin and Ethereum networks generate. As KRU is also a utility token with multiple use cases, delegators and validators will be able enjoy other benefits of holding KRU. Every validator in the validator set will take turns producing blocks in the same probability (if they stick to 100% liveness), thus, in the long run, all the stable validators are likely to get similarly sized reward amounts.

Transaction Speed:

Kingaru will run at approximately 1,400 Transactions per second (TPS), matching that of VISA's worldwide bandwidth. With the Bitcoin network at roughly 7 TPS and Ethereum at 14 TPS, Kingaru is 200 times faster than BTC and 100 times faster than ETH. Transactions happening within seconds enables KRU's use in commerce settings where transactions need near instant settlement.



Transparency & Network Details:

Network Name: Kingaru Chain

New RPC URL: https://chain.kingaru.com:8545/

ChainID: 5438

Symbol: KRU

Block Explorer URL: https://scan.Kingaru.com/

On & Off Ramps for Kingaru

Utility and Ease of Use are massive factors when it comes to adoption and demand. Kingaru's KRU coin will have both of these elements. First Utility, utility is the usefulness or enjoyment a person receives from an object or service. If KRU is to truly take off it must have excellent utility. This is accomplished via a few methods.

1. Kingaru Payments - a crypto payment processing platform with low processing fees. No more need for Merchants to pay upwards of 5% or more in payment processing fees thus adding significantly to a merchant's bottom line.
2. Merchant Network - there are many industries ripe for crypto processing with KRU. Crypto Processing is an excellent choice for companies that operate in high risk industries that have difficulty obtaining credit card processing or have intense legal restrictions on how the cash they receive can be used.
3. Immersive Experience - Kingaru's Immersive Commerce ecosystem provides for consumers to

connect and interact with brands and companies in ways not easily possible before. Companies and Inventors will be able to post prototypes, concepts, new services or consumer programs, and more to holders of KRU. KRU Holders will be able to vote on these proposals and even present some of their own. The more companies interact with their consumers; The more ways companies can learn about the desires and irritations of their customers, the better their products and services perform in the market. And the more validated consumers feel because their input was considered.

Ease of Use, oh the importance of this factor. Before consumers can begin using KRU they must first have an easy way to obtain it. Kingaru accomplishes this feat in these regards.

1. Cryptocurrency Exchanges - Kingaru will be listed on both decentralized and centralized exchanges. Integrating with existing on and off ramps is important as consumers are already familiar with these methods and will help with getting KRU to consumers.
2. Airdrops - A method of simply getting KRU out into circulation amongst consumers.
3. Reward Programs - As consumers shop and make purchases at KRU partnered stores they will begin earning KRU rewards based on their purchase. As more purchases are made and more KRU is distributed out into the market, users will be able to start making purchases with the KRU they've earned in shopping rewards.

Once consumers have KRU, being able to use it easily is the next step. Kingaru Payments has been designed as a very simple and easy to use payment option. And in many instances it takes less time to check out and pay than it does to enter a credit card. Click the link or scan the QR code for a demo of Kingaru Payments.

Watch Demo:

Trustless Bridge

To aid in ease of use and accessibility, the Kingaru network also sports trustless bridges to other blockchain networks. Starting first with Binance Smart Chain and Ethereum and then moving on to other networks, users will be able to easily bridge their crypto assets to and from the Kingaru chain. Kingaru believes strongly in a secure bridge and as such has had audits performed on the smart contracts and functions of the bridge.

The bridge will operate by allowing users to lock up their ERC-20/BEP-20 assets and receive wrapped versions of those coins on the Kingaru network. When a user wants to bridge their assets back to other networks, they simply provide their wrapped tokens which will be burned and they will receive the locked tokens back on the network they are bridging too.

Decentralized Applications - E-Commerce

Built on the Kingaru main net, Kingaru Payments will be the first Dapp available. Kingaru Payments solves issues currently prevalent in commerce as it pertains to crypto-currency. The Kingaru Foundation will maintain Kingaru Payments and use revenues generated from it to further fund additional projects and development on Kingaru. The Kingaru Payments plug-in will be available on the Shopify, Woo-Commerce, and Magento e-commerce platforms in addition to being on kingaru.com for vendors & shop owners to use. Kingaru Payments will have a management dashboard for shop owners to review and monitor their transactions.

Kingaru Payments will be a solution where the cryptocurrencies sent by customers as payment for goods on a vendor's website will be held in the Kingaru Payments platform in a specialized smart contract. Upon a withdrawal request the crypto will then be sent to the Vendors external wallet where they will have full control over the funds. This model will allow Kingaru Payments to abide by various regulations and laws where the denying or blacklisting of vendor accounts is required.

The first issue Kingaru Payments solves is high payment processing fees. Unlike other popular payment processors that charge 4% or more per transaction, Kingaru Payments costs only 1%, with high volume

vendors potentially qualifying for an even lower 0.5%.

The second issue Kingaru Payments solves is High Risk Industries difficulty with getting payment processing. As Kingaru Payments does not touch government currencies, many of the restrictions these companies face go away. Of particular note, companies that have seen extremely high chargeback rates would benefit greatly from Kingaru Payments. Chargeback risk ceases to exist when Kingaru Payments is used as the payment method.

When a vendor accepts KRU as payment, what are some of the things they can do with it?

1. Sell it on an exchange for US Dollars, Euros, Yen or whatever other local currency they use.
2. Stake it and earn additional KRU
3. Loan it out to others and earn interest
4. Use it directly to buy goods and services from their suppliers (if their suppliers also have Kingaru Payments enabled)

There are many uses for Kingaru and Kingaru Payments will solve the woes many companies are facing when it comes to payment processing.

Decentralized Applications - Loyalty Tokens

Loyalty programs are a mainstream to consumer retention by many of the largest companies in the world. Blockchain programs have the ability to make the programs portable and more powerful. The Kingaru blockchain will empower merchants to use KRU or create their own KRC-20 Tokens with the intention of keeping consumers more loyal than ever. They will be able to create these tokens in a few simple clicks and with no coding required. These KRU & KRC-20 Tokens would have the added benefit of a secondary market. Not only could they be used with the company that created them but they could also be sold or swapped on various exchanges. With Kingaru Payments, vendors will also be able to accept payment in any KRC-20 token.

The second part of this application is the interactive nature by which the holders of these loyalty tokens will be able to interact with the company. Over the course of concept to production, holders of a company's loyalty token will be able to easily vote on and suggest proposals about the products the company is developing. The votes could be weighted based on a variety of criteria. The primary method being based on the amount of loyalty tokens the person used in that vote. A person voting with one million KRU would be weighted significantly higher than an individual who voted with 10 KRU. Companies would even be able to validate prototypes and concepts fairly easily by seeing why concepts receive the large number of loyalty tokens in the voting process.

Decentralized Applications - Grants

The Kingaru ecosystem and network will be built out by thousands of developers and groups around the world. With the ability for these organizations to submit and receive grants from Kingaru to develop these applications, the Kingaru Ecosystem will expand in functionality and quickly receive worldwide adoption.

Third Party Applications

Kingaru will be an open blockchain for developers to build their own applications. Common applications already in development by third parties on Kingaru are a NFT marketplace, a swapping platform, lending protocol, and a crowdfunding platform. A Metaverse marketplace is also being considered.

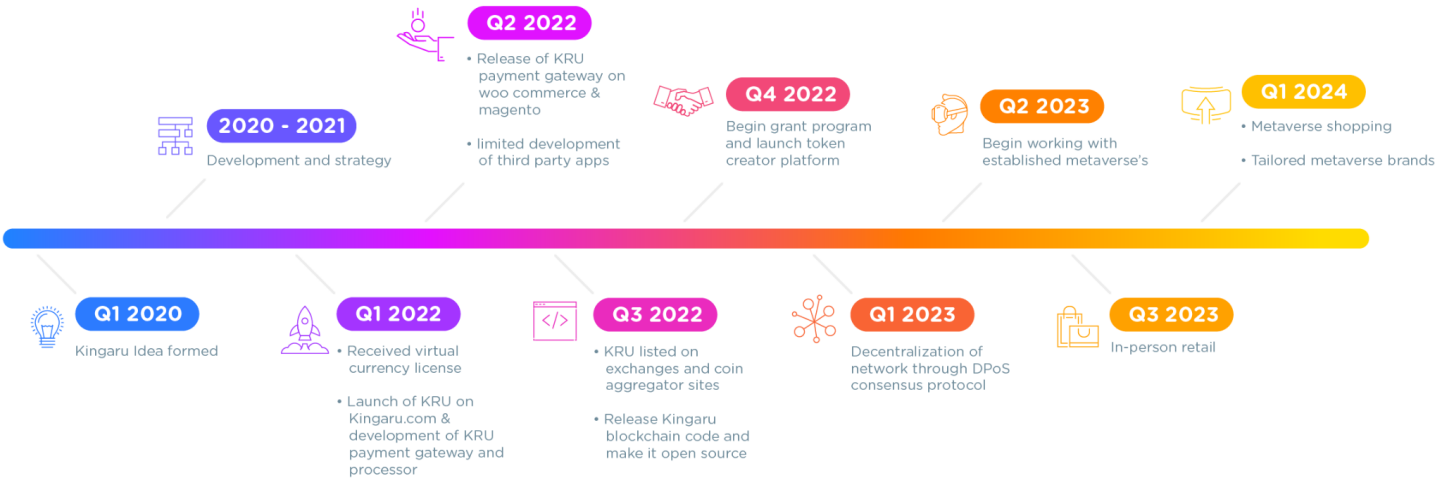
Virtual Mall and Marketplace

The Kingaru Blockchain allows market makers to bring their stores to the platform and become a

gathering place for thousands of consumers and shop owners from around the world that are selling products and services.

The Kingaru blockchain has the necessary bandwidth and tools required for the future of Immersive Commerce.

Project Roadmap



Kingaru Tokenomics