

Push **CHAIN**

Any Chain.
Any App.
Any User.



Table of Contents

The Big Blockchain Challenge	2
Introducing Push Chain	4
Innovations & Features	7
Push Chain Usecases	10
Past Innovations & Insights	13
Team	15
Resources	16

The Big Blockchain Challenge

The Big Blockchain Challenge

Fragmentation of chains

Web3 now has capable L1s, L2s and L3s. While some L2s are interoperable, talking between all L1s, L2s and L3s still needs to be solved.

This has raised the issue of fragmentation. Users just want to try innovative apps for their cool features but are forced to either learn other chains and their rules or miss out as there is no concept of universal apps, something that can be accessed by users no matter where they are.

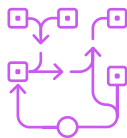


Missing unified experiences

Current web3 apps operate on one chain ecosystem, even when they are multi-chain. Liquidity, contract state, etc are specific to a chain.

In addition, unified app experiences are missing, where a universal hub or shared state is present that can unify users from all chains or facilitate settlement between all L1s, L2s and L3s.

This is different from bridging, as users from all chains come together to interact with an app. For example: a web3 social, or a prediction market accessible to any user of any chain, or even email where users from different blockchain interact with each other.



Friction and changing experiences

Users are forced to learn about chains, wallets, liquidity and protocol management. Instead all of this should be abstracted away leaving them to just use web3 apps for their features.



Scalability & Speed

Web3 still suffers from scalability and speed since it only caters to financial apps where assembly lining of transactions is required. This architecture is not feasible for consumer apps which require sub-second finality and scalability that can handle thousands (if not more) of parallel transaction.

The Solution

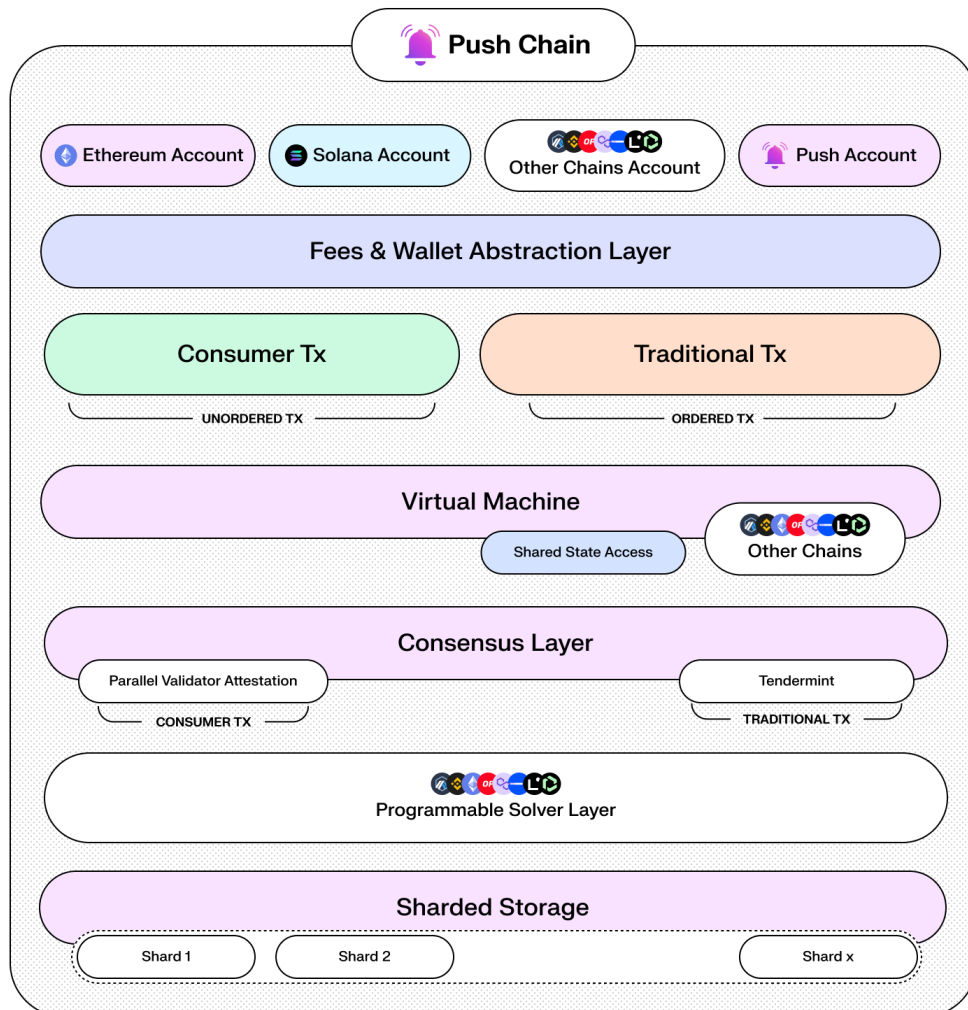
The Solution

Push Chain - Any Chain. Any User. Any App.

Push Chain is a universal L1 blockchain for all web3 apps. It is designed to eliminate fragmentation across all chains and unify all L1s, L2s and L3s for both the users and developers.

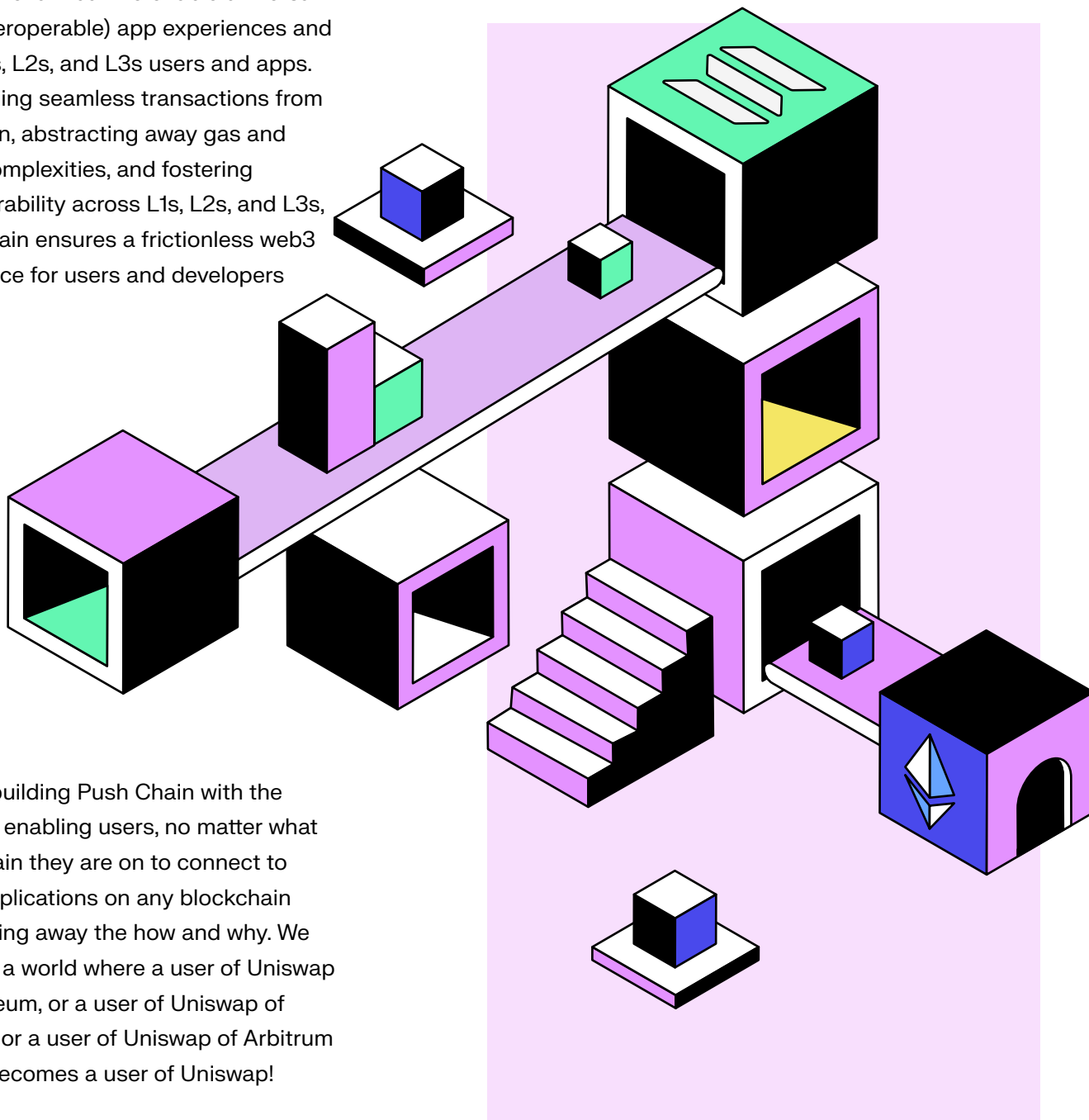
It allows transactions from any chain, uses cross-chain gas abstraction to enable no hassle interaction from other chains and provides wallet abstraction for seamless onboarding for existing web3 users as well as web2 normies.

For developers, it introduces universal smart contracts - capable of interaction from a user of any chain to app of Push Chain. Shared state - ability to read from other chains from smart contract and Programmable solvers - ability to write to other chains from smart contract enabling frictionless developer experience and providing the perfect environment for any consumer or universal apps to thrive to come on Push Chain and be used by all the users of web3.



Is Push just another L1 Chain?

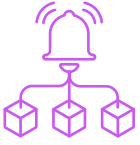
Push is a chain built to enable universal (fully interoperable) app experiences and unite L1s, L2s, and L3s users and apps. By enabling seamless transactions from any chain, abstracting away gas and wallet complexities, and fostering interoperability across L1s, L2s, and L3s, Push Chain ensures a frictionless web3 experience for users and developers alike.



We are building Push Chain with the vision of enabling users, no matter what blockchain they are on to connect to web3 applications on any blockchain abstracting away the how and why. We envision a world where a user of Uniswap of Ethereum, or a user of Uniswap of Polygon or a user of Uniswap of Arbitrum simply becomes a user of Uniswap!

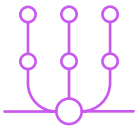
Innovations & Features

Innovations & Features



Transact from any chain

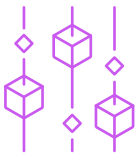
Push Chain supports transactions from any wallet, regardless of the originating chain—be it Ethereum, Solana, or any other L1s, L2s or L3s.



Shared State

Shared state allows Push Chain to access data from its own chain as well as external chains.

Combining this with Push ID gives the user a shared state of their entire web3 state (balances, NFTs, web3 actions) which are then leveraged by developers to create a universal app via universal smart contracts.



Programmable Solvers

Ensures that a developer can create a basic path for cross chain actions (write actions) based on the shared state.



Wallet and Fee Abstraction

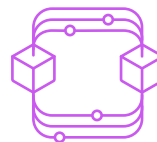
Wallet abstraction provides a flexible, embeddable wallet experience, tailored to individual user journeys enabling any wallet from any chain to connect, interact and transact with Push Chain.

Fee abstraction ensures that the user can pay the fees from the chain of their choice.



Universal Smart Contracts

Using shared state in VM, Push allows developers to write universal smart contracts with which universal app experiences become possible. Users, regardless of their origin—whether from any chain or ecosystem—can effortlessly interact with consumer apps that prioritize user engagement without regard to how or where they enter the system.

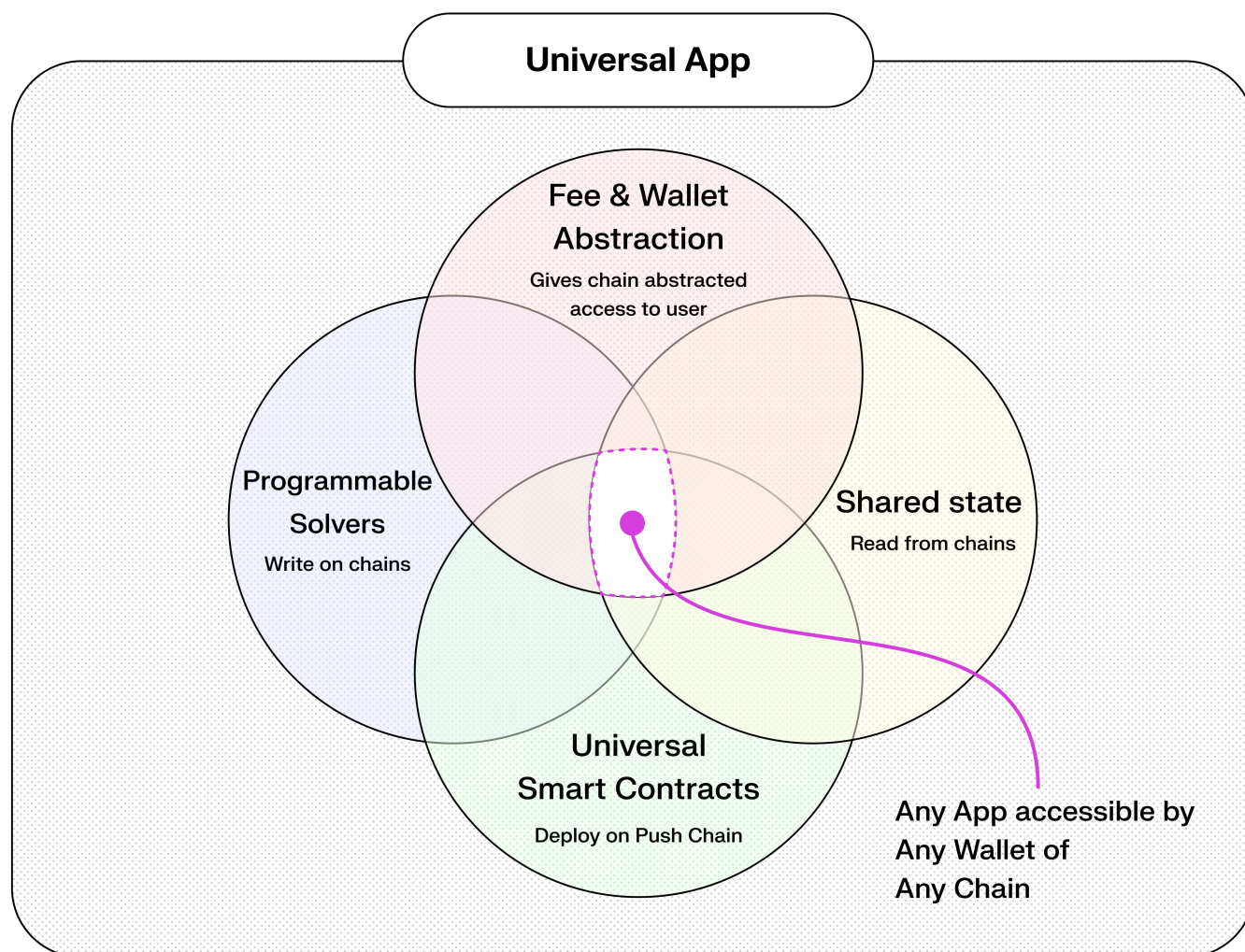


Seamless Interoperability

Push chain enables seamless interoperability between any chain to any chain, no matter if it's L1, L2, L3, EVM or non-EVM creating an era of chain abstraction for the user.

contd.

Innovations & Features



Push Chain Usecases

Push Chain Usecases

Ability to allow transactions from any chain, shared state, universal smart contract along with scalability and speed opens up a plethora of use cases. Below are just a few examples that can be built on Push Chain.

Prediction Markets accessible from any chain! 🌐🎯

The win of the year for web3 gets bigger when users across chains can join the same platform instantly. Push Chain makes it possible—seamless, universal, and instant. 🚀🌟

Universal AI Agents - agents that work across any chain 🌐

Launch AI agents on a unified platform with universal payment support (any token, any chain) and scale to thousands of concurrent operations. Push Chain makes this seamless and powerful. 🚀🌟

Unified Web3 DeFi - abstracted swaps & unified liquidity 🏠💧

Shared state and universal contracts let you tap into a single, borderless liquidity pool, making DeFi trading effortless, efficient, and truly chain-agnostic. Experience next-level freedom of seamless DeFi services, no matter where you are 🌟

Poker, Fantasy Leagues, Shared Lotteries, Degens... assemble! 🎮🐼

Push Chain lets gaming and degen apps break free from single-chain silos. Think cross-chain poker, slots, sports betting, fantasy leagues, shared lotteries, trading card platforms, and gacha games—all thriving in one interconnected ecosystem.

For instance, poker can be played across Ethereum and Solana.

Unified Web3 Social - instant, scalable and united 🌟🍷

Fast, scalable, and decentralized web3 social—bringing users from Eth, Solana, and all chains together. Talk bulls and bears, take contrarian bets, and party across the web3 ecosystem! 🚀🎉

Unified Web3 NFT Marketplace. Cross-chain collectibles 🌐🎨

Shared state + universal smart contracts = true multi-chain magic!

Imagine trading NFTs seamlessly across different L1s without missing a beat. The future of collectible trading just got a whole lot brighter. 🌟

contd.

Push Chain Usecases




Unified Public Funding & Crowdfunding

Public goods and funding are at the very core of web3's ethos—shoutout to Gitcoin

for paving the way for us and countless others!

With Push Chain, projects can be discovered and backed from across every chain, reaching a global audience and securing the vital resources they need. This is true open innovation, powered by collective support and borderless funding.

CDEX - DEX that behaves like a CEX

The future of exchanges is decentralized, but we need top-tier UX! With  wallet abstraction,  shared state, and  universal smart contracts, that user-friendly, truly decentralized exchange is no longer just a dream.

Consumer and Utility Apps - Notifications, Socials, Rumors, etc

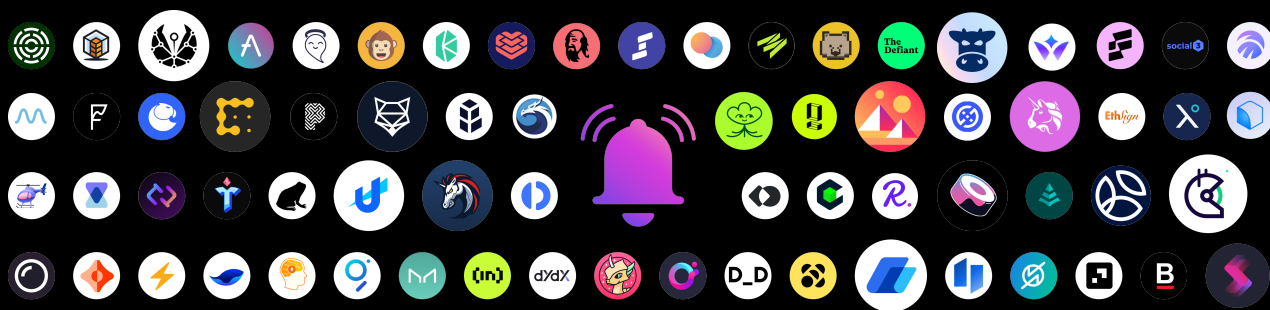
Imagine utility apps with universal reach—where every user across every chain is just a click away. From on-chain email and notification hubs to decentralized chat, blogging platforms, wikis, Reddit, Telegram, TikTok, fantasy sports and internet archives, these consumer apps tap into a unified Web3 user base for unprecedented synergy.

This isn't just bridging gaps, it's empowering developers and users alike to engage, create, and innovate beyond traditional boundaries—together, we're building the next generation of global, chain-agnostic web3 experiences.

Past Innovations & Insights

Past Innovations & Insights

Ability to allow transactions from any chain, shared state, universal smart contract along with scalability and speed opens up a plethora of use cases. Below are just a few examples that can be built on Push Chain.



Push Protocol has been backed by prominent angels and VCs including Binance Labs, Balaji S, Jump, Parafi Capital, Tiger Global, Sandeep Nailwal, Anton Bukov, iOSG, Scott Moore, A.Capital among others.

jump_

TIGERGLOBAL

THE
LAO

PARAFI
CAPITAL

BINANCE

true

a_capital

IGEE
VENTURES

polygon
studios

4RC

RYZE
LABS

Sandeep Nailwal
POLYGON

Andrew Keys
DARMA CAPITAL

Anton Bukov
1INCH NETWORK

Balaji Srinivasan
ENTREPRENEUR & INVESTOR

Kenneth Ng
UNISWAP FOUNDATION

DeFi Dad
ANGEL INVESTOR

Scott Moore
GITCOIN

The Team

The Team



Harsh Rajat

FOUNDER

✕ in

Harsh is the founder of Push Protocol that invented native communication for Web3. Push was born out of ETHGlobal 2020, is an alumni of Ethereum Foundation, Gitcoin Kernel (Genesis Batch), CoinList among others.

Harsh has previously spoken at multiple tech conferences and hackathons, including Pragma, Solana Breakpoint, Messari Mainnet, ETHCC, ETHDenver, ETHAmsterdam, ETHLisbon, Schelling Point, NFT NYC, EDCON, and more. He has 13 years of entrepreneurial experience across various sectors of tech, including mobile, web services, SaaS, and blockchain.



Richa Joshi

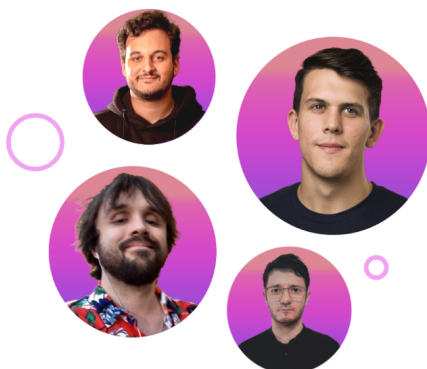
CO-FOUNDER

✕ in

Richa is the co-founder of Push Protocol and has 13 years of techno-functional experience in project management and marketing.

Richa has also been a part of ETHGlobal hackathon (from where Push started), is an alumni of Ethereum Foundation, Gitcoin Kernel (Genesis Batch), CoinList among others.

Richa previously spoke and judged at multiple top-tier tech conferences and hackathons, such as ETHCC, ETHDenver, NFT NYC, Forbes, Coinbase and many more. Her previous background includes working with Deloitte, where she contributed to and led teams across multiple facets of product development.



The team that scaled Push to 500k users

The team collectively brings a broad range of strategy, content, and product marketing expertise, drawn from years of contributing to notable organizations such as ConsenSys, Binance, Serotonin, etc.

They have designed and executed comprehensive content plans, published research on network decentralization and consensus mechanisms, co-founded an in-depth portal examining Web3 innovations, and spoken at premier conferences including Devcon and Consensus.

Resources

Website

Knowledge Base

Push Scan

Simulate Tx

FAQs