



Spider R&D NITT

VAULT-X PITCH DECK

Present by Spider Blockchain

 <https://v0-ghost-id-zk-snark-verifier-gk.vercel.app>

 NIT Tiruchirappalli

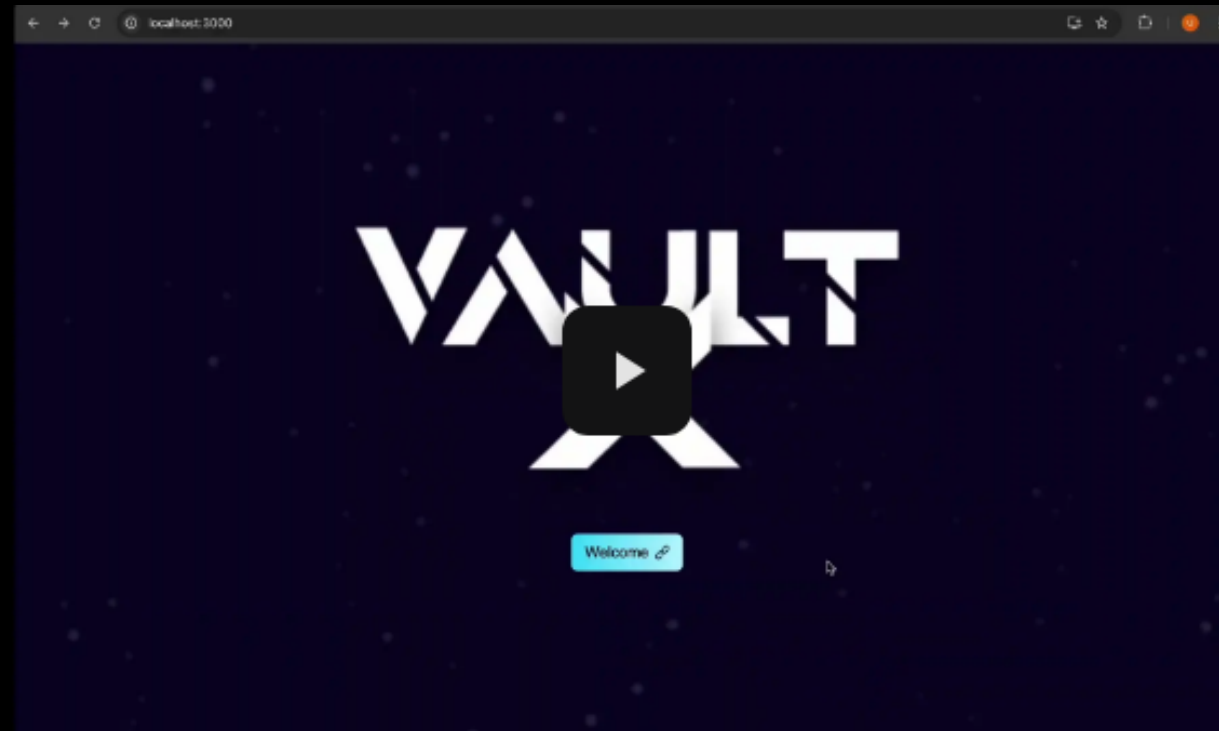
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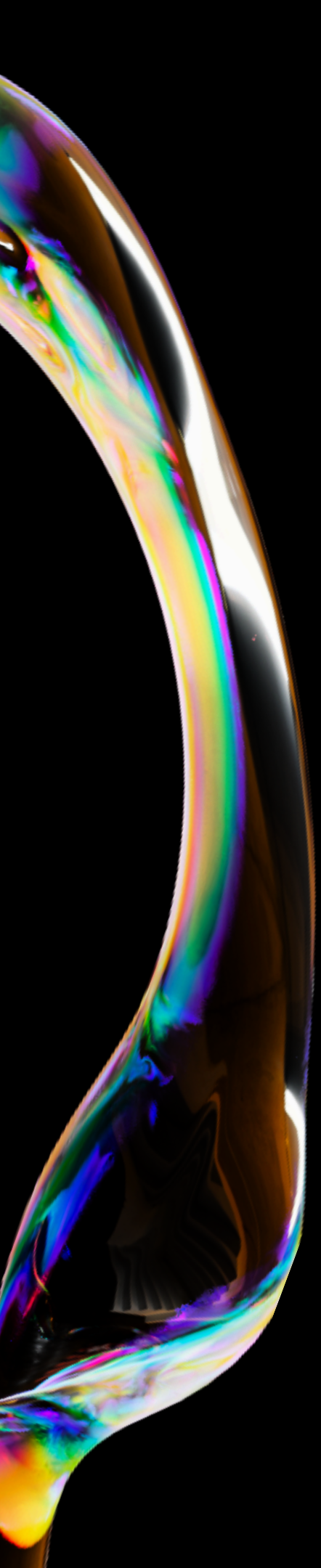
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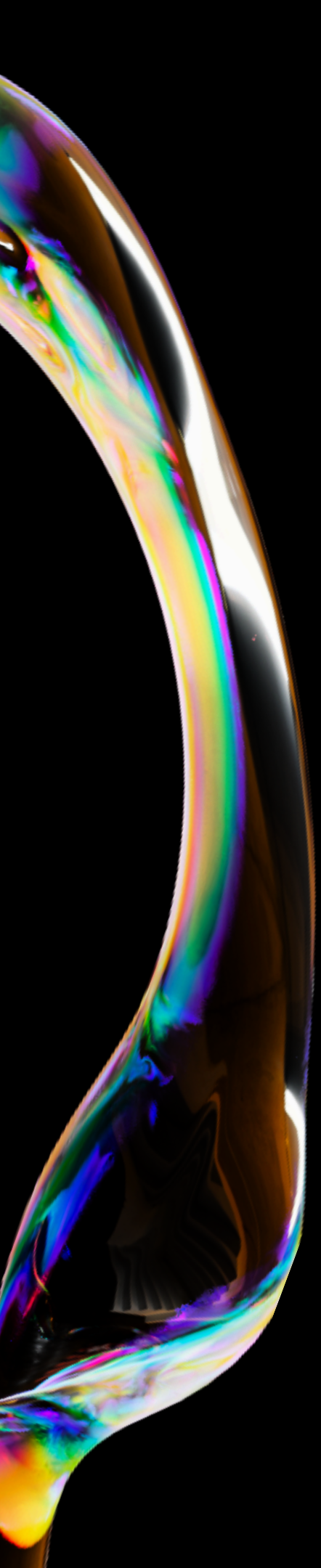




WHAT ARE ZERO-KNOWLEDGE PROOFS (ZKPS)?

In today's digital world, verifying identity often requires users to share sensitive personal information, exposing them to privacy risks and data breaches. Our project leverages Zero-Knowledge Proofs (ZKPs) and Decentralized Identity (DID) to solve this challenge. By using zk-SNARKs and Verifiable Credentials (VCs), users can prove attributes like age or nationality without revealing actual data. This privacy-preserving approach allows secure access to DeFi, DAOs, and Web3 services—without traditional KYC. Built using Iden3, Polygon ID, Circom, and smart contracts on Ethereum/Polygon, our solution ensures privacy, security, and decentralization, empowering users to control their identities in the Web3 ecosystem.





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TECH INTRODUCTION: POWERING GHOSTID WITH BLOCKCHAIN INNOVATIONS

- ♦ **Blockchain** – A decentralized and secure digital ledger ensuring transparency & immutability.
- ♦ **Smart Contracts** – Self-executing contracts on the blockchain, eliminating intermediaries & automating trust.
- ♦ **DeFi (Decentralized Finance)** – Financial services without banks, enabling lending, borrowing & staking.
- ♦ **DApp (Decentralized Application)** – Blockchain-powered applications with no central authority, enhancing security & transparency.
- ♦ **NFTs (Non-Fungible Tokens)** – Unique digital assets stored on-chain, revolutionizing ownership in art, gaming & finance.
- ♦ **NFC (Near Field Communication)** – Contactless technology enabling seamless crypto payments via mobile devices.
- ♦ **Tokens & Cryptocurrency** – Digital assets facilitating transactions, investments, and governance in Web3 ecosystems.
- ♦ **Staking** – Locking crypto assets to secure networks and earn passive rewards.

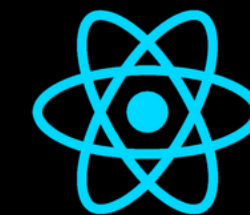
TECH STACK USED:



ethers.js



SOLIDITY



React



HOW VAULTX MAKES IT BETTER



Unified Ecosystem:

Combines these fragmented services into a single, cohesive platform.

User-Centric Design:

Simplifies onboarding and usability for both crypto enthusiasts and beginners.

Integrated Rewards:

Cashback, coupons, and loyalty programs for all types of transactions.

Broader Use Cases:

Supports diverse financial activities, from fiat-to-crypto to NFT lending and marketplace interactions.

Accessibility:

Designed to cater to users globally without requiring specialized hardware or deep technical knowledge.

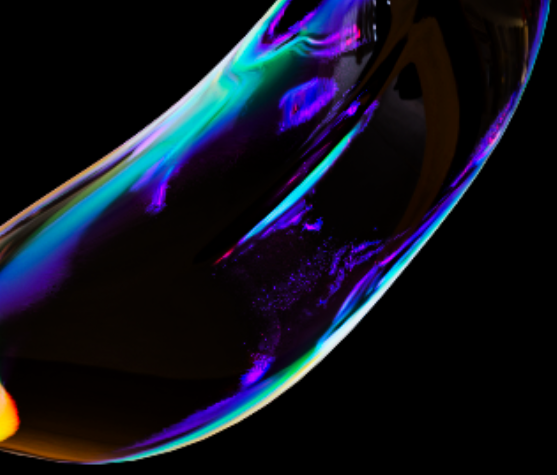
Broader Use Cases:

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VULT

Welcome [🔗](#)





DEMO

<https://drive.google.com/file/d/1Pm09rRJx4H9S0fIfSQrwCy-7Plj9QGu9/view?usp=sharing>



OUR INNOVATIVE SOLUTIONS

What Makes VaultX Stand Out?

VaultX is a B2B enabler that merges revolutionary technology with practical business solutions, rather than just another blockchain platform

Fiat-to-Crypto Conversion:

Effortless transitions between fiat and cryptocurrency for businesses to access the digital economy without friction.

Lending with NFTs as Collateral:

Businesses can unlock liquidity by leveraging NFTs as financial assets, enabling innovative ways to raise funds.

Recurring Payments in Crypto:

Facilitate seamless crypto-based recurring payments for subscriptions, licensing fees, and more.

Token Launchpad:

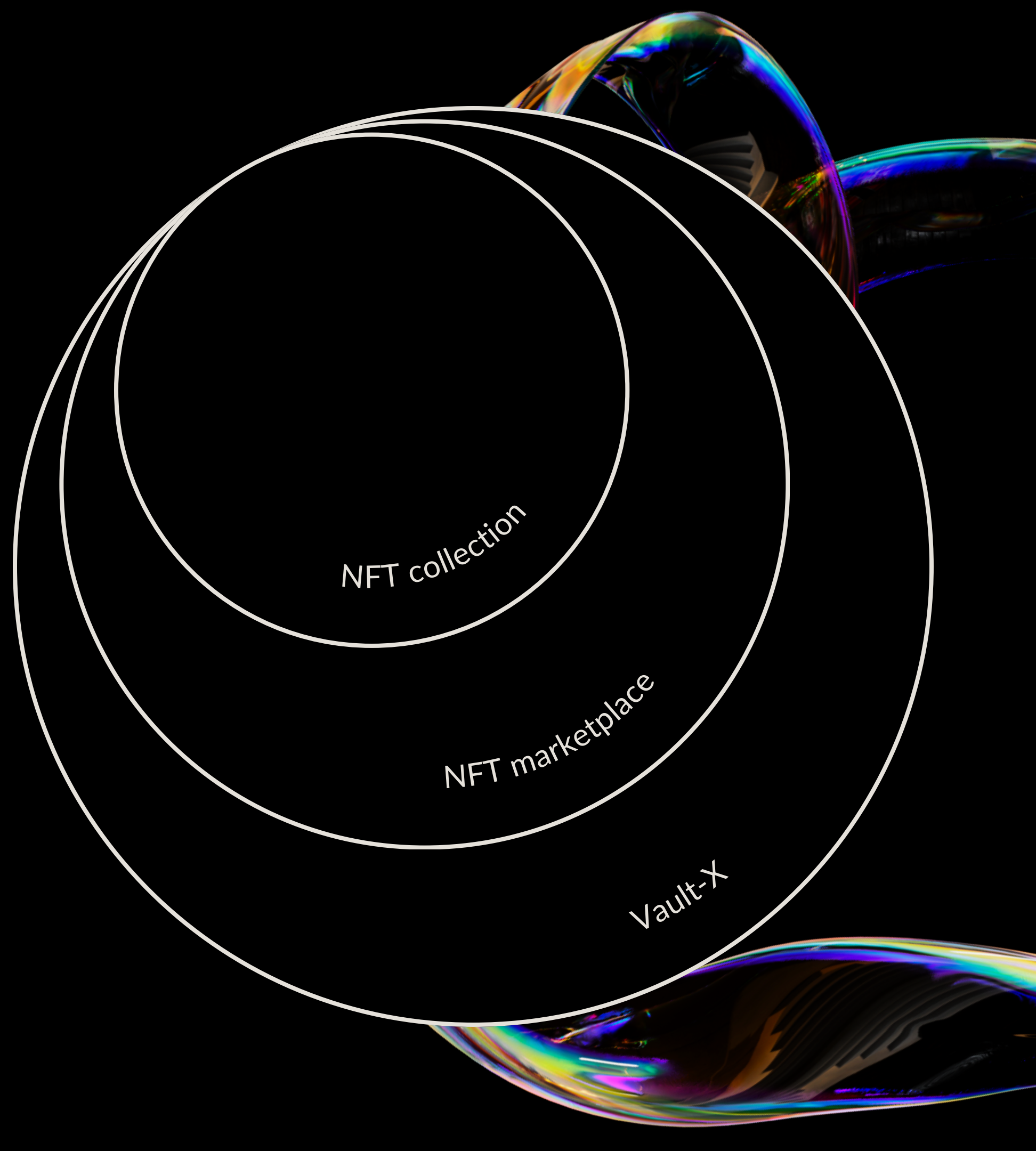
Offer business enterprises the ability to design and administer their own tokens, creating new opportunities for expansion and interaction.

Contactless NFC and QR Code Payments:

Simplify business transactions with instant and secure payment methods for vendors and merchants.

MARKET OPPORTUNITY:

- The Blockchain Market is projected to grow from \$10 billion in 2023 to \$67 billion by 2030
- Over 70% of businesses are actively exploring or implementing blockchain technology, yet face challenges in adoption and usability
- VaultX's B2B-first model positions us to capture partnerships in industries like retail, banking, and digital marketplaces, ensuring a scalable and lucrative growth trajectory.

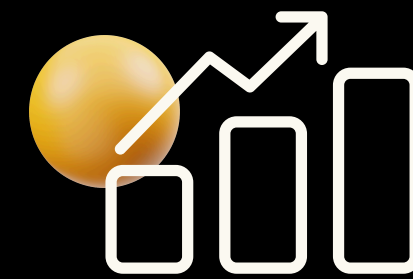


DEMOGRAPHICS

- Global blockchain market projected to reach \$67.4 billion by 2026 (CAGR: 68.4%).
- Over 420 million crypto owners globally; daily transaction volumes exceed \$100 billion.
- NFT market valued at \$4.36 billion in 2023, with significant growth potential.
- Subscription economy projected to grow to \$1.5 trillion by 2025.
- Digital payment platforms with rewards see 25% higher retention rates.

TARGET DEMOGRAPHICS:

- Retail users (crypto enthusiasts, NFT collectors, DeFi users).
- Merchants and businesses (crypto payments, token launches).
- Emerging markets (South Asia, Africa, Latin America).



PRIMARY (B TO B)

1. Retailers & Merchants (offer crypto payment using NFC and QR payment)
2. NFT Platforms & Creators (lending with collaterals)
3. Subscription Services (recurring based crypto payments)

SECONDARY (B 2 C)

1. Targeting crypto users by giving cashback in cryptos

COST

Compliance
Platform Development
Server and Cloud Costs
Marketing & Partnerships

REVENUE MODEL

REVENUE STREAMS:

1. Transactions fee:

A little percentage of commission for currency conversion

2. Using NFT lending:

Fee for Collateralization

3. Subscription Fees:

Commission for setting up recurring payments

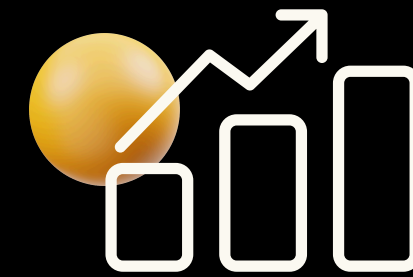
4. Cashback Partnerships:

Promoting brands by offering their coupons

5. Marketplace Fees:

Commission for using the marketplace for NFT trading

B2B ASPECTS



Contactless NFC and QR Code Payments

Businesses can enable customers to pay instantly and securely using contactless NFC or QR codes, creating frictionless and fast payment solutions.

Use Case: Retailers or service providers can integrate NFC or QR code payments into their point-of-sale systems, enhancing customer experience and operational efficiency.



Subscription Services

Businesses (like subscription services, SaaS platforms, or content providers) typically need to set up recurring billing systems for their customers.

For businesses, it makes it easy to accept payments in cryptocurrency for ongoing services, ensuring smooth transactions and reducing the need for manual payments from customers every billing cycle.

NFT Launchpad

VaultX's launchpad enables businesses to create, issue, and manage their own tokens, which can drive engagement, incentivize loyalty, and provide new fundraising opportunities.



B2C ASPECTS



Cashback and Coupons

A consumer could receive crypto cashback after making a purchase using their preferred cryptocurrency.

A consumer could use a digital coupon to receive a discount on their next purchase, which the business might offer through an app or website.



NFT Marketplace

Consumers (artists) can mint and sell their NFTs, offering digital assets like art, music, or collectibles directly to other consumers.

Buyers (collectors) can browse and purchase NFTs on the marketplace.

Lending with NFT

A consumer who owns valuable NFTs (such as digital art or collectible items) can use those as collateral to obtain a loan in cryptocurrency, which can then be used for anything from paying bills to making large purchases. This is an alternative to traditional personal loans, especially for individuals who might not have access to conventional forms of credit.



WHAT WE OFFER TO THE CUSTOMERS

Hassle-free, contactless crypto payments for in-store or online purchases.

Unlock liquidity for NFT holders and earn interest by lending crypto.

Accessible and low-cost international payments for users worldwide.

Streamlined recurring payments with cashback and coupon rewards.

Democratized token creation and monetization opportunities for users.

Marketplace: A comprehensive ecosystem where users can shop directly with crypto.

Incentivized transactions lead to better savings for users.

All-in-one solution for personal finance in the crypto space.



REVENUE MODEL – YEAR 1

Transaction Fees (Fiat-to-Crypto Conversion):

Estimated \$3,000/year by charging 0.2% per transaction.

NFT Lending (Collateralization Fees):

Estimated \$1,000/year by charging a 1% fee on NFT-backed loans.

Recurring Payments (Subscription Services):

Estimated \$1,000/year by charging 0.5% per recurring transaction for small businesses.

Cashback Partnerships:

Estimated \$2,500/year by earning a 10% commission from brand promotions and coupons.

NFT Marketplace Fees:

Estimated \$1,000/year by taking a 1.5% commission on trades through partnered platforms or artists.

Total Projected Revenue (Year 1): \$8,500

KEY COMPETITIVE ADVANTAGES

Expert Team

Our skilled team brings specialized knowledge and experience to provide top-notch solutions tailored to our clients' needs.

Cutting-Edge Technology

We use the latest tools and technology to stay ahead, ensuring efficient and effective services.



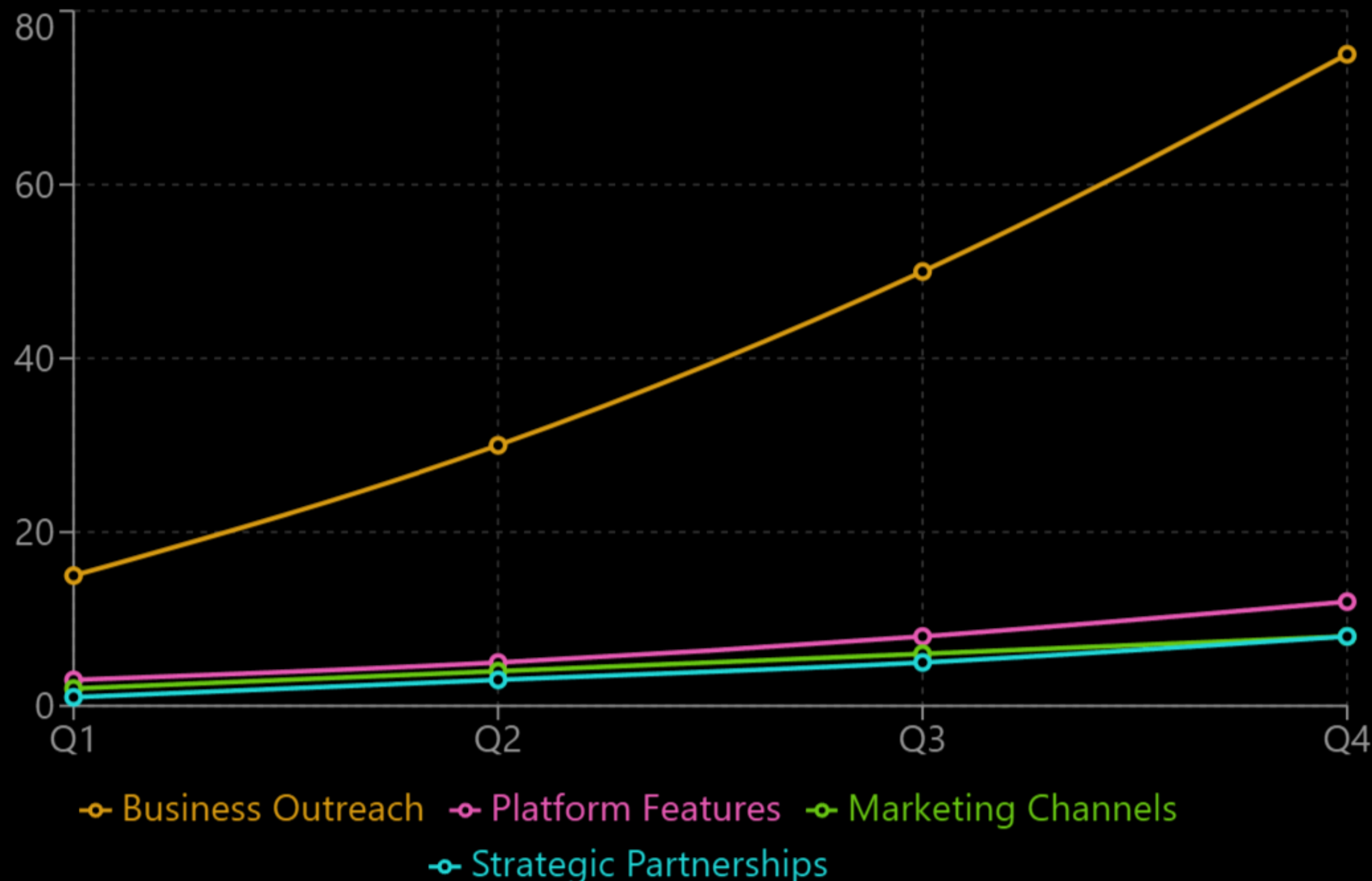
Customer Focus

We prioritize building strong relationships and understanding our clients' needs, leading to long-term partnerships based on trust and satisfaction.

Proven Success

With a track record of successful projects, we've earned a reputation for reliability and excellence, setting us apart from the competition.

SCALABILITY PLAN: (ROAD MAP)



- **Q1 (Month 1-3):** Foundation phase focusing on market research, initial business outreach (10-15 pilots), feedback gathering, and compliance groundwork.
- **Q2 (Month 4-6):** Partnership building with 30+ businesses, onboarding experts, implementing loyalty programs, and refining based on user feedback.
- **Q3 (Month 7-9):** Accelerated growth targeting 50+ businesses, platform optimization, compliance finalization, and educational content creation.
- **Q4 (Month 10-12):** Full-scale expansion through enhanced features, paid marketing, strategic partnerships, and preparation for Year 2.



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THANK YOU

for your time and attention

Present by Spider Blockchain