

SYNODUS Blockchain Portfolio



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• Who we are

Synodus is derived from “Synergy”.
Let’s make the next big thing in Web3.

Synodus is a **full-cycle software development company** run by people with 20+ years of experience in building efficient offshore technology teams for global clients.

Customized solutions, swift deployment, transparency, and cost-efficiency are what you hire. Partnering with us, these aren't just promises; they're the pillars upon which your digital success is built.



Our proven track footprints in blockchain:

Ready-made solutions accelerate time to market

Dedicated team with scalability and flexibility

Transparent cooperation and pricing

30+ projects in portfolio

9 years of experience in blockchain development

87% Blockchain startups raised more than \$5M

Save up to **63%** on your development cost



We never compromise on our principles and professional ethics.

Personal Accountability
Effectiveness
Equity

Our Mission

Our Mission is creating an environment where we can nurture aspiring human beings to become exceptional technology professionals. And in turn serve our global partners with the highest level of development, advice and service.

Our Vision

Our Vision is to deliver the most delightful products and services that help our users to a higher level of performance.

We are trusted and supported by tech giants

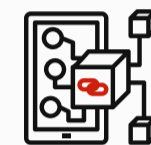


• What we do

Whether you need software engineers, a tailored solution or blockchain consulting, we can deliver.



Blockchain Professional Services & Advisory



Decentralized Application (DApp) Development



Non-Fungible Tokens (NFT) & Games Development



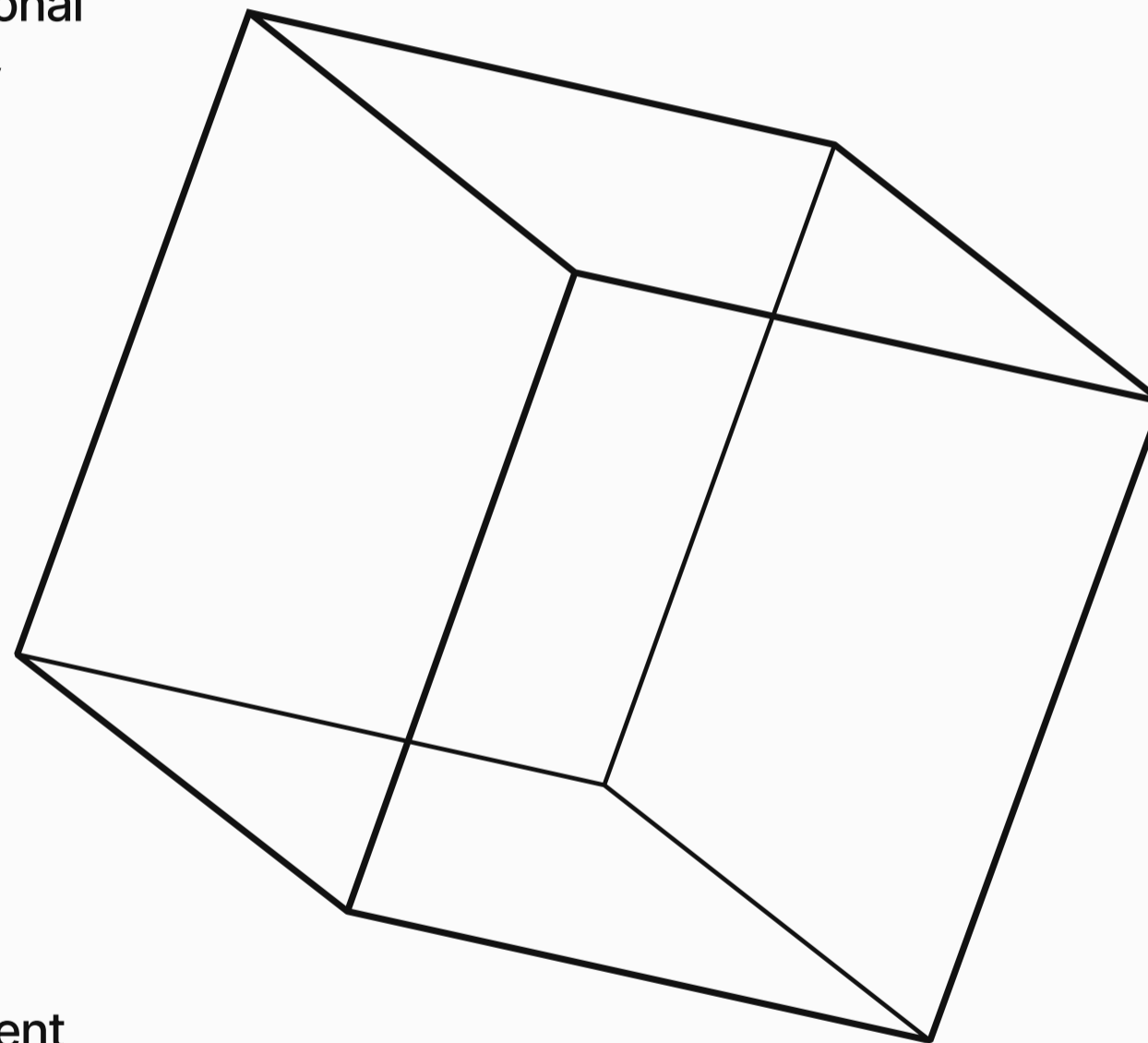
ICO, IDO & STO



Cryptocurrency Wallet & Exchange Development



Smart Contract Development & Audit



We are familiar with all the major frameworks.

Public blockchain

Ethereum
Parity
Tezos
Stellar
Tron
Polkadot
NXT
Binance Smart Chain
NEAR
Cosmos

Private blockchain

Corda
OpenChain
Stellar
Monero

Permissioned blockchain

Hyperledger Fabric
Multichain
EOS
Ripple
Quorum
IBM Blockchain Platform
Hyperledger Sawtooth
Neo Blockchain Platform
Hedera Hashgraph
Hyperledger Iroha
Hyperledger Indy
Exonum
AKA Chain
Oracle Autonomous
Blockchain Cloud Service
Azure Blockchain Workbench
Amazon Managed Blockchain
Google Cloud Platform

Trust is Earned Through Accreditations



SOC 2 Type I & Type II



ISO 27001



GDPR



AML/KYC



HIPAA



FISMA



PCI DSS



PSD2

• How we work together

We are open to discussion about our cooperation based on your specific project requirements and specifications, resources available, and timeframe.



Fixed price

Best used when it's a small or medium-sized project or MVP and you have clearly defined your needs and expectations to the developers.



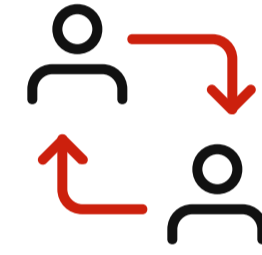
Time & Materials

Best used when there are no detailed project documentation/ project specifications and requirements are constantly evolving and changing.



Dedicated Team

Best used when the project idea is well thought and defined, all project requirements are available for development and you have in-house specialists to manage the development process.



Build-Operate-Transfer

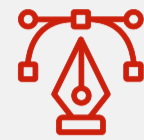
Best used when your in-house team plan to operate and own an off-shore development team and needs aid from a reliable tech partner before taking full control of the team.

A *Walkthrough* of your Project Delivery



Requirement analysis

In-depth discussion with our technical architects to identify the project scope



Design

Deep UX research & Visualize the application with high-fidelity prototype



Development

Build custom apps based on your requirements, driven by CI/CD, Agile management and DevOps



Deployment

Launch your application or implement it across departments



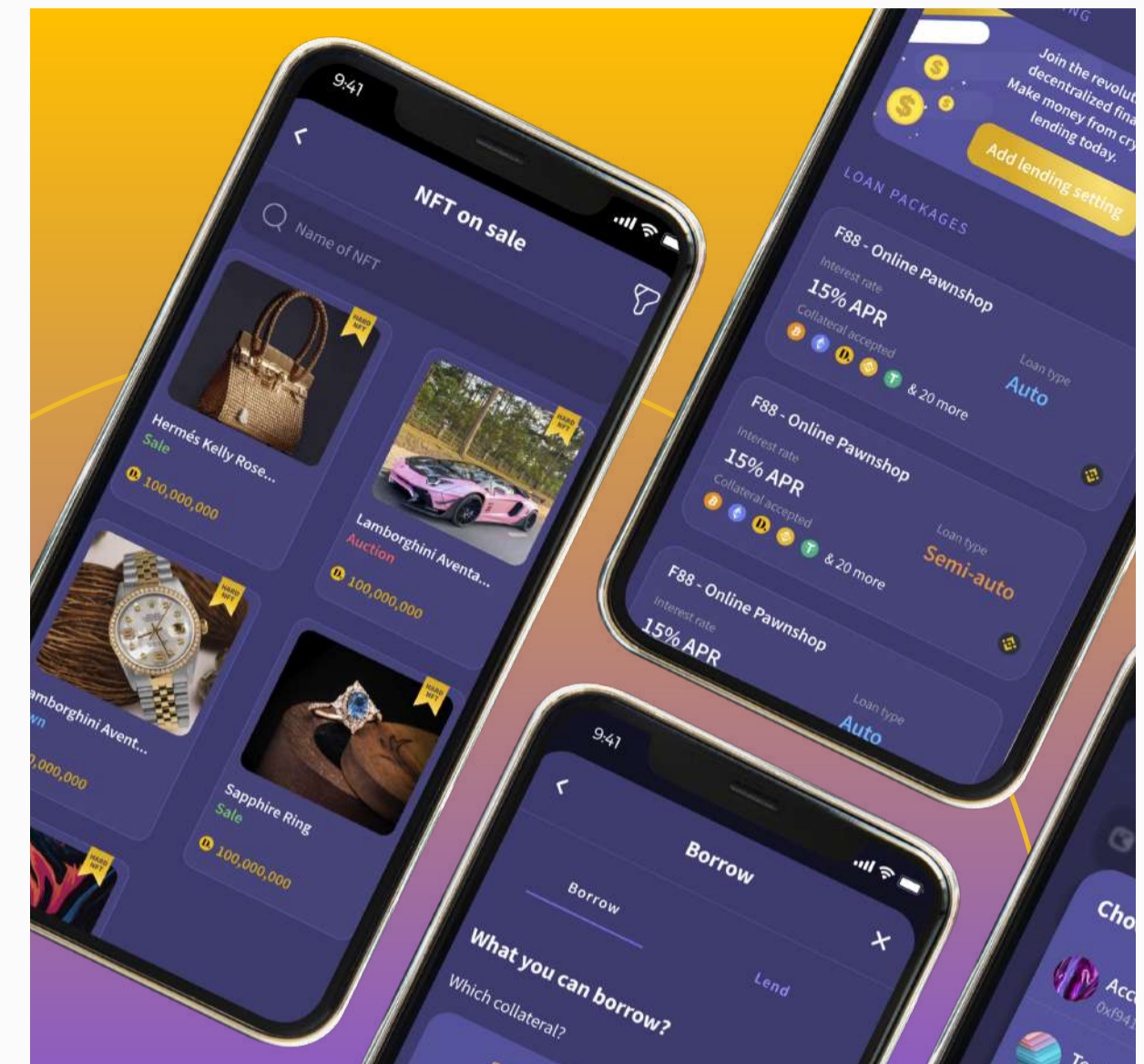
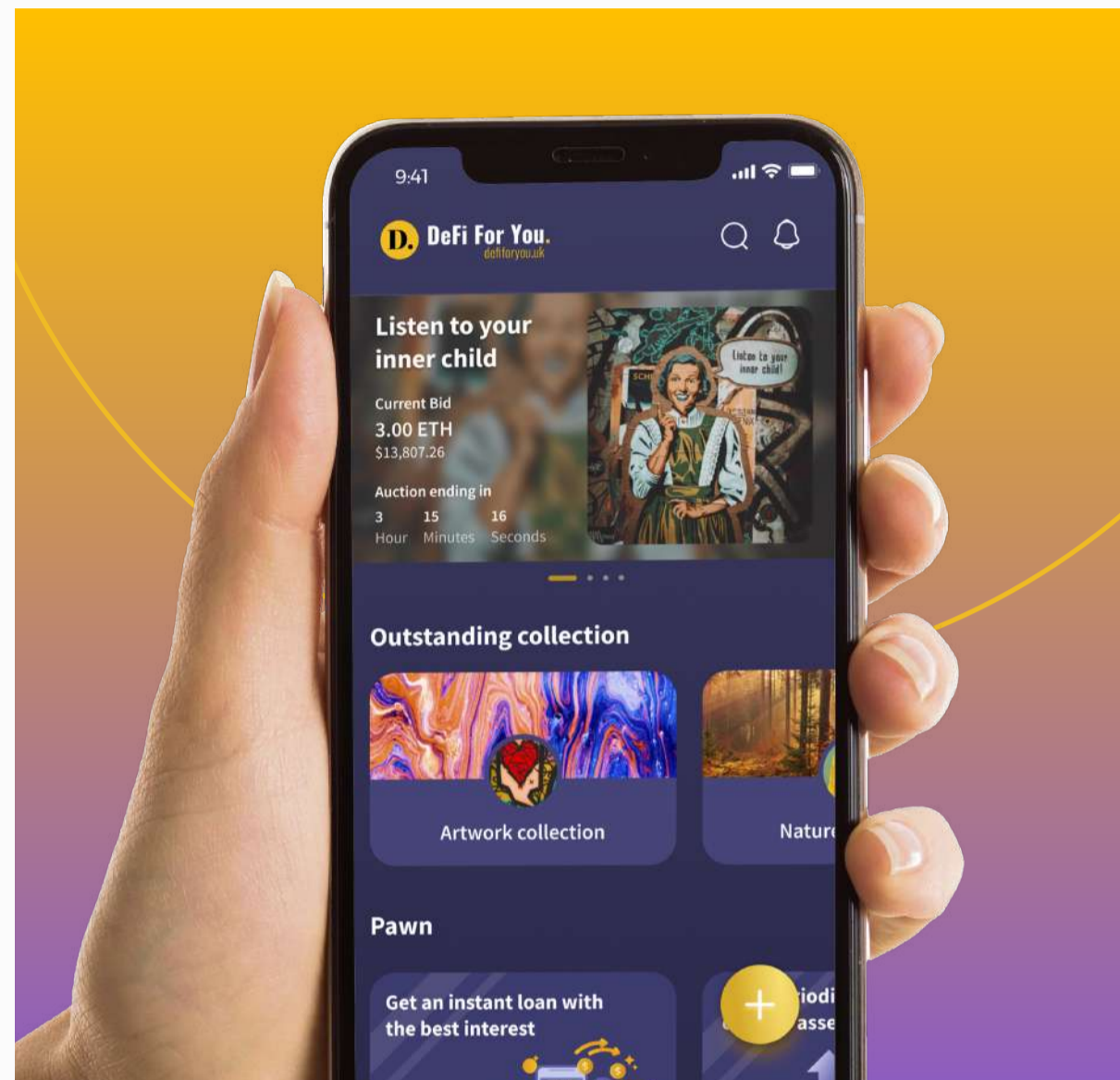
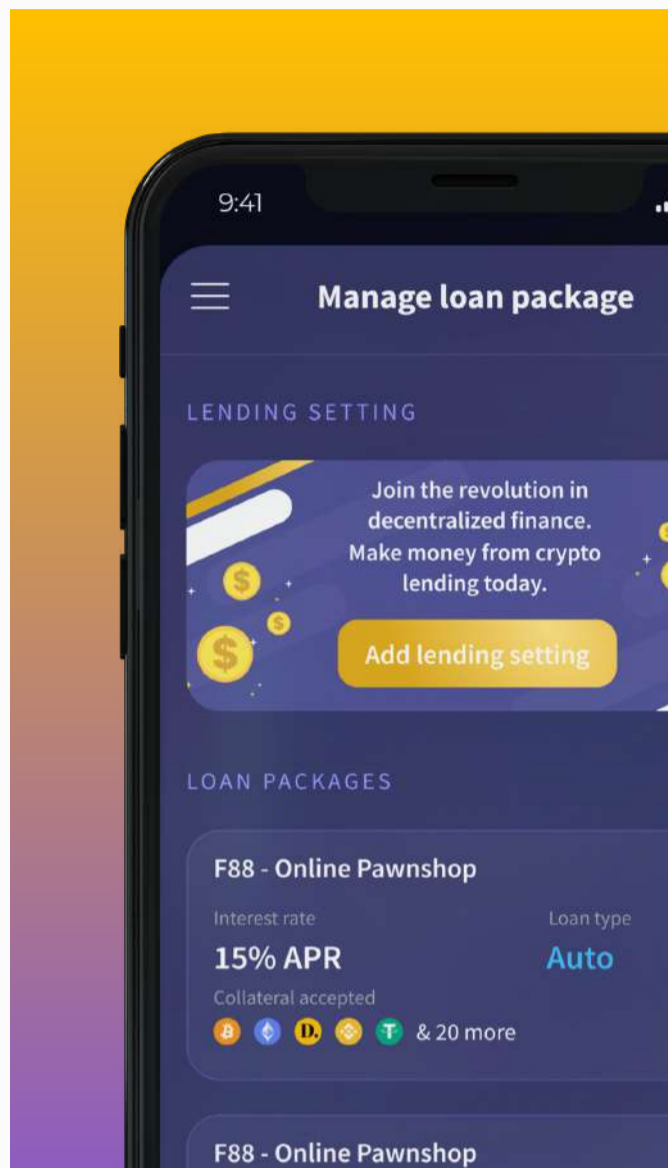
Quality assurance

We constantly test you Fintech app's function and performance manually & automatically



Maintenance

Our support won't stop there! Let's us handle bug fixing, upgrades or adding new features



P2P Lending

DeFi For You's Path to Democratizing Credit

Project Overview

DeFi For You, a revolutionary financial technology company, was founded by a co-founder of Travalta.com, a fairly prominent crypto-enabled OTA. In a world where millions lack access to capital due to traditional banking limitations, DeFi For You emerged as a beacon of hope. Their platform, built on the Binance Smart Chain, allows users to work with pawnbrokers to tokenize physical assets and use them as collateral for stablecoin loans.

New Venture with a Trusted Ally

Teck Stack

AWS, Kubernetes, Jenkins, GitLab, ASS, Prometheus, ReactJS, Typescript, Flutter, Solidity, Binance Smart Chain, NodeJS, IPFS, Hardhat, Gnosis Safe Multisig, Moralis

Project Completion Time

1.3 years of work

Team Structure

20 people worked

DeFi For You embarked on a mission to democratize access to credit, allowing users to set their terms and interest rates for loans and tokenize hard assets. DeFi For You's CEO, having previously collaborated with us on another blockchain startup, turned to us for their ambitious DeFi venture. He shared his ideas, sketching them on a board.

Despite limited prior DeFi exposure, we were captivated by the potential and joined their journey as a strategic technology partner. This venture required significant effort and resources, but the entire team was committed to the mission, immersing ourselves in the world of DeFi.

Solution

Solution Provided

We developed a comprehensive DeFi platform accessible via web and mobile, featuring:

- Peer-to-peer lending with crypto, NFTs, and hard assets as collateral.
- Peer-to-peer loans, lending from liquidity pools, and a digital NFT marketplace.
- Tokenization of soft and hard assets, enabling asset-backed loans.
- Crypto transactions via an OTC platform.
- Integration with third-party services for a seamless user experience.
- A secure crypto wallet for users.
- Certik audit and certification for security.

Overcoming Technical Challenges

Performance Challenge: Ensuring high-performance execution of smart contracts on the NFT & OTC trading platform. Our in-house scanning solution eliminated trading fees and provided impressive scalability, handling 300,000 orders per second.

Automation Challenge: Guaranteeing the security and validity of transactions on the platform. We implemented AWS Key Management Service (KMS) with a robust encryption mechanism, securing private keys and verifying transaction validity.

Results & Impacts

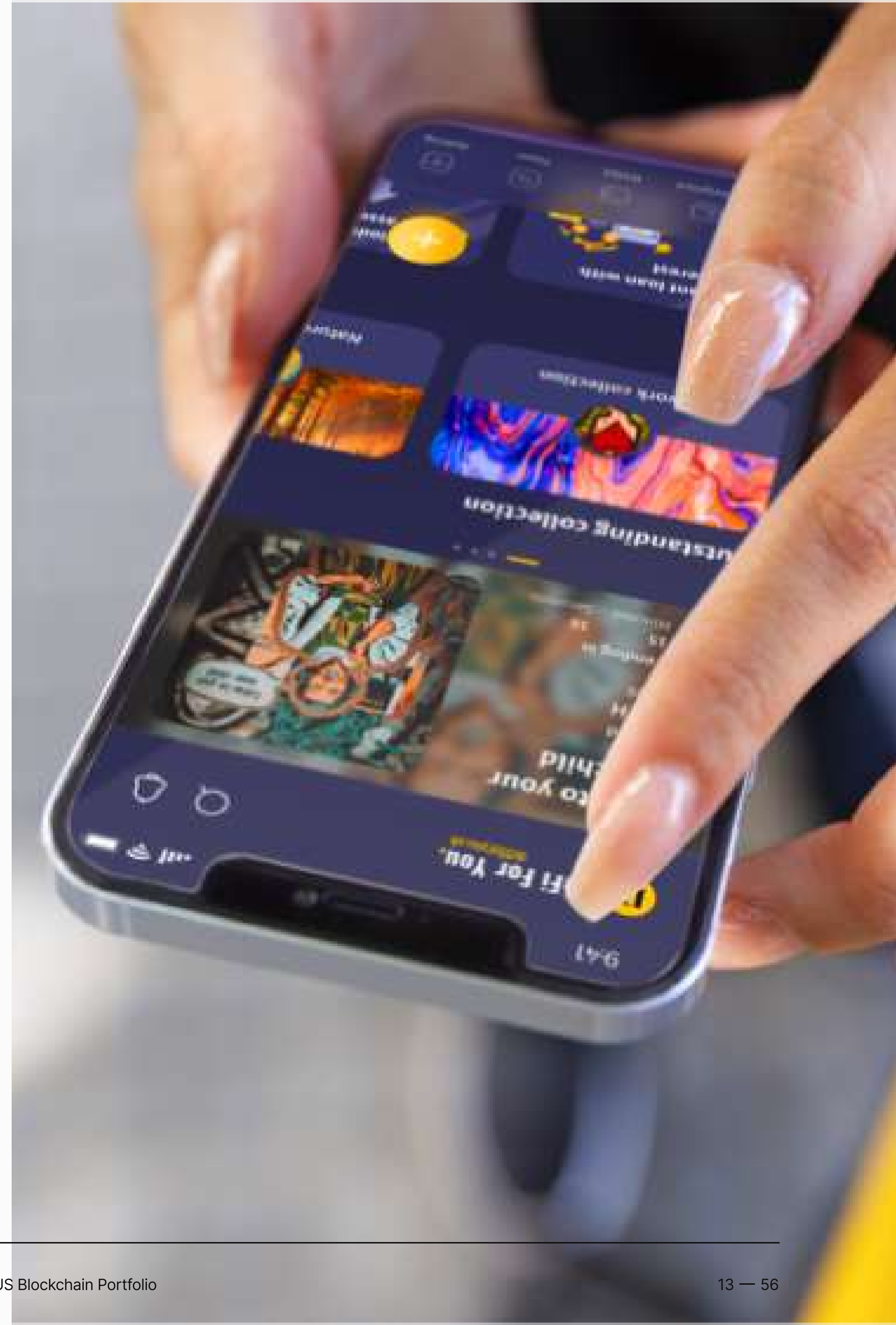
Our collaboration with DeFi For You resulted in significant achievements, as evidenced by the following key metrics:

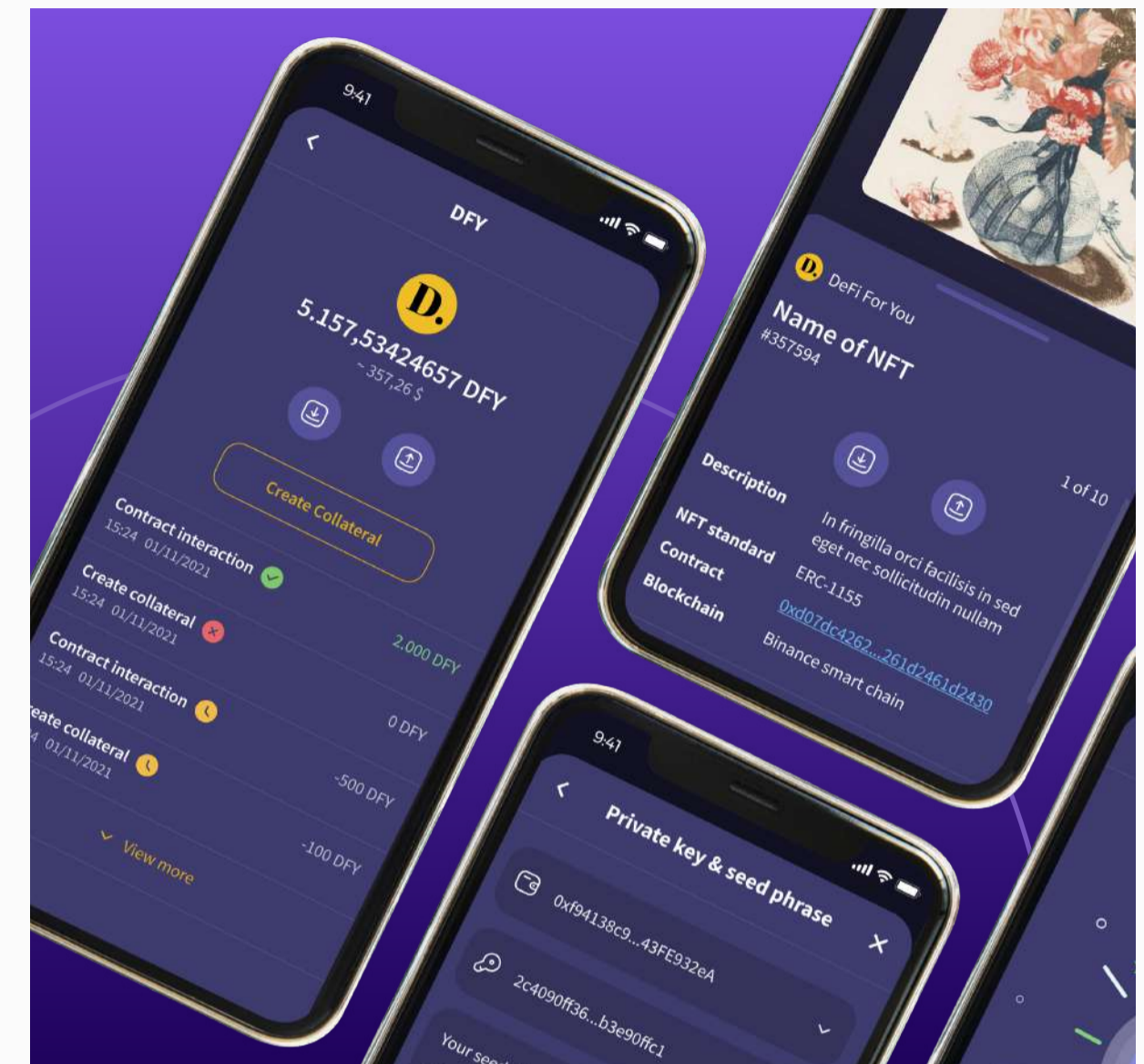
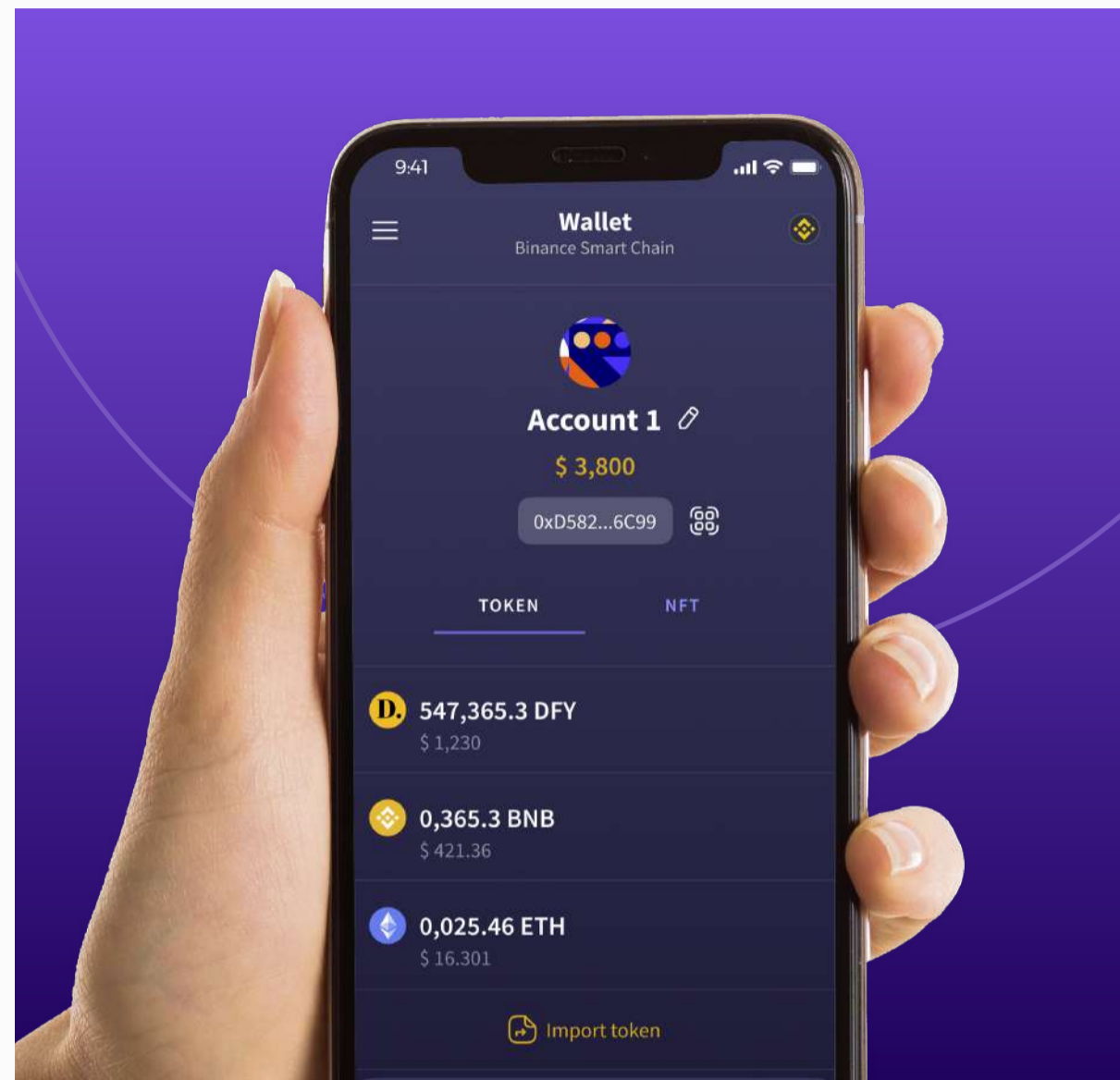
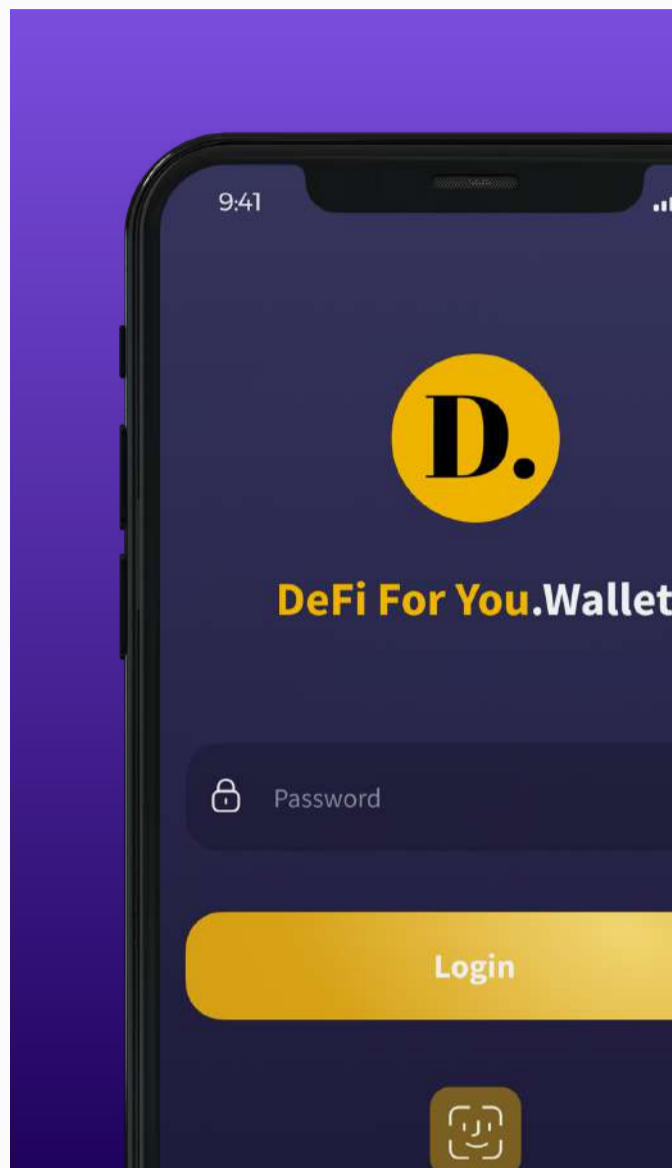
- ▶ Total token supply: **861,416,467**
- ▶ Wallet holders of DFY tokens: **28,700**
- ▶ Transactions made with DFY: **120,000**
- ▶ DFY tokens sold before listing on exchanges (IDO and pre-sale): **226,818,268**
- ▶ DFY tokens burned in quarterly burns: **139,381,732**

These numbers reflect the successful adoption and growth of DeFi For You's platform in the DeFi space.

What's next?

In the ring with global bigger guys, our debut dance with this esteemed client was a fierce one. We promised, we delivered, and they chose us to lead the way in their risk management journey. We've earned their trust, one project at a time.





Crypto Wallet

Defi For You - Decentralized Crypto Wallet

Project Overview

By seamlessly integrating the wallet within Defi for you, users bypass the hassle of switching between apps like Metamask. This intuitive integration streamlines actions—signing, fund approval, and transactions—enhancing the platform's ease for buying/selling and borrowing/lending.

Challenge

Teck Stack

Ethereum, Binance Smart Chain,
Solidity, Flutter, iOS, Android,
TrustWallet Core

Project Completion Time

07 months of work

Team Structure

20 people worked

Technical Challenges

- **Security:** Ensuring robust encryption and secure storage of private keys, addressing potential vulnerabilities in the transaction process.
- **Interoperability:** Facilitating compatibility with diverse wallets and multiple blockchain networks for seamless transactions.
- **Scalability:** Designing for scalability to accommodate increasing users and transaction volumes without compromising performance.

End User Challenges

- **User Experience:** Providing a user-friendly interface for easy account management, seamless transactions, and card payments.
- **Regulatory Compliance:** Adhering to regulatory standards in different jurisdictions regarding financial transactions and data privacy.

Solution

How the Product Operates

- Users can create or restore wallets, inputting private keys or seed phrases.
- They can link their cards securely within the wallet for card-based transactions.
- The wallet allows seamless management of various cryptocurrencies and tokens.

Key Features

- ▶ Create/Restore wallet functionality
- ▶ Securely manage private keys and seed phrases
- ▶ Link and manage card payments within the wallet
- ▶ Support for multiple cryptocurrencies and tokens
- ▶ Seamless transactions and fund management

Technical Solutions

Security Measures:

- Encryption standards for data transmission and storage.
- Secure storage of private keys using WalletCore

Interoperability Solutions:

- Integration with major wallet standards (e.g., Metamask, Trustwallet) and multiple blockchain networks.
- API development for seamless interaction with various payment gateways.

Scalability Implementation:

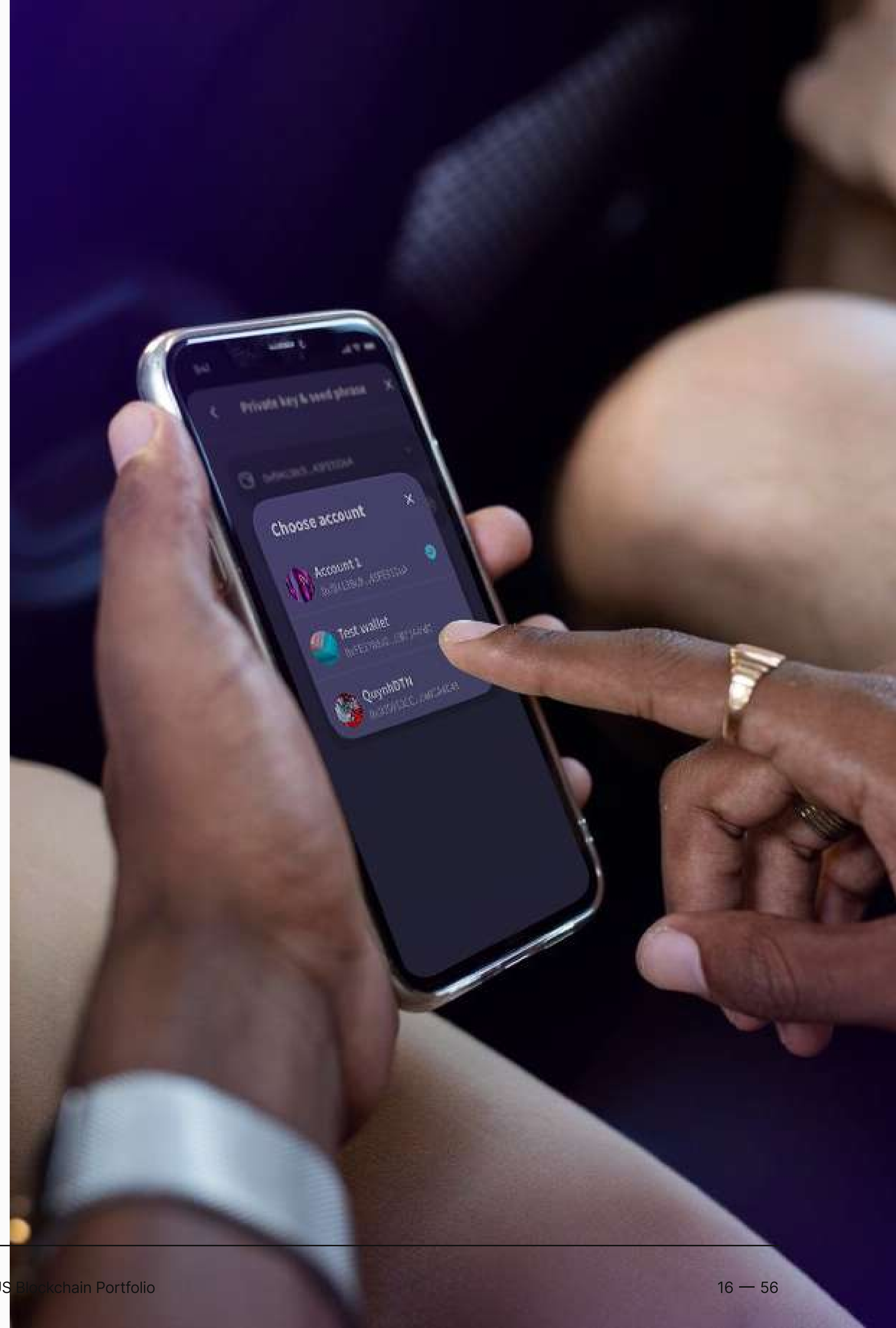
- Utilization of scalable blockchain solutions like layer-2 protocols or sidechains.
- Load balancing and optimization techniques to ensure performance during peak usage.

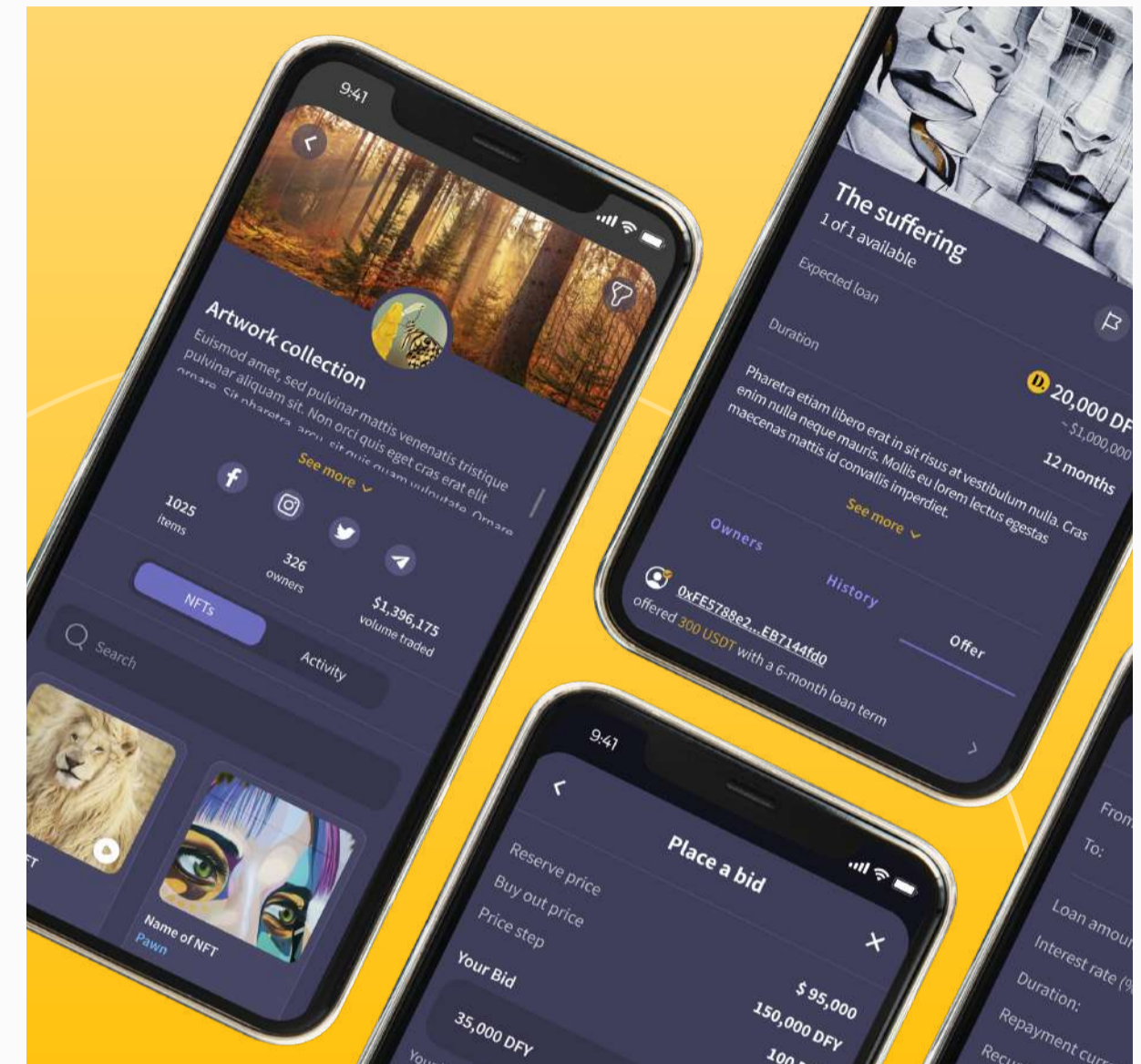
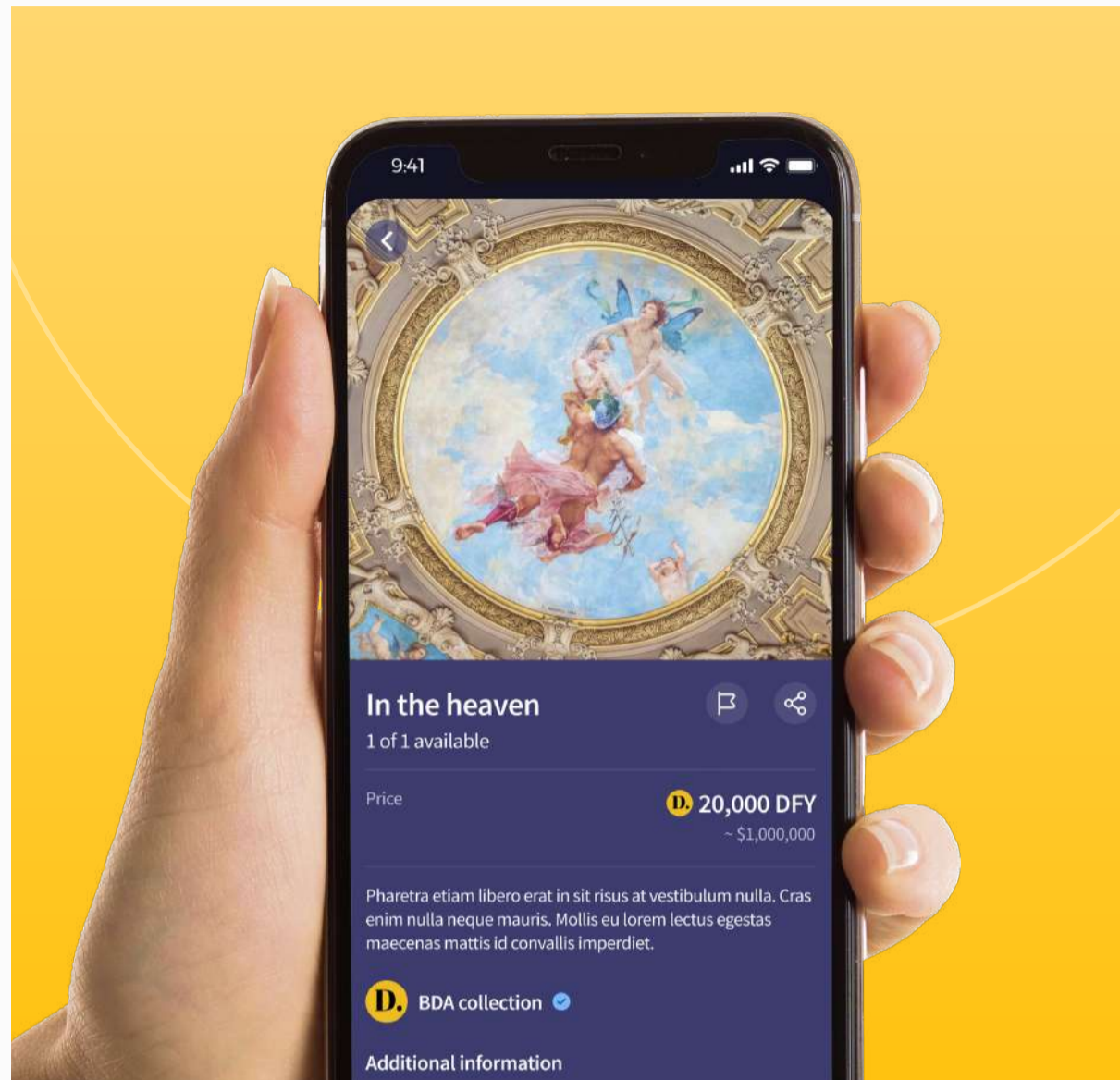
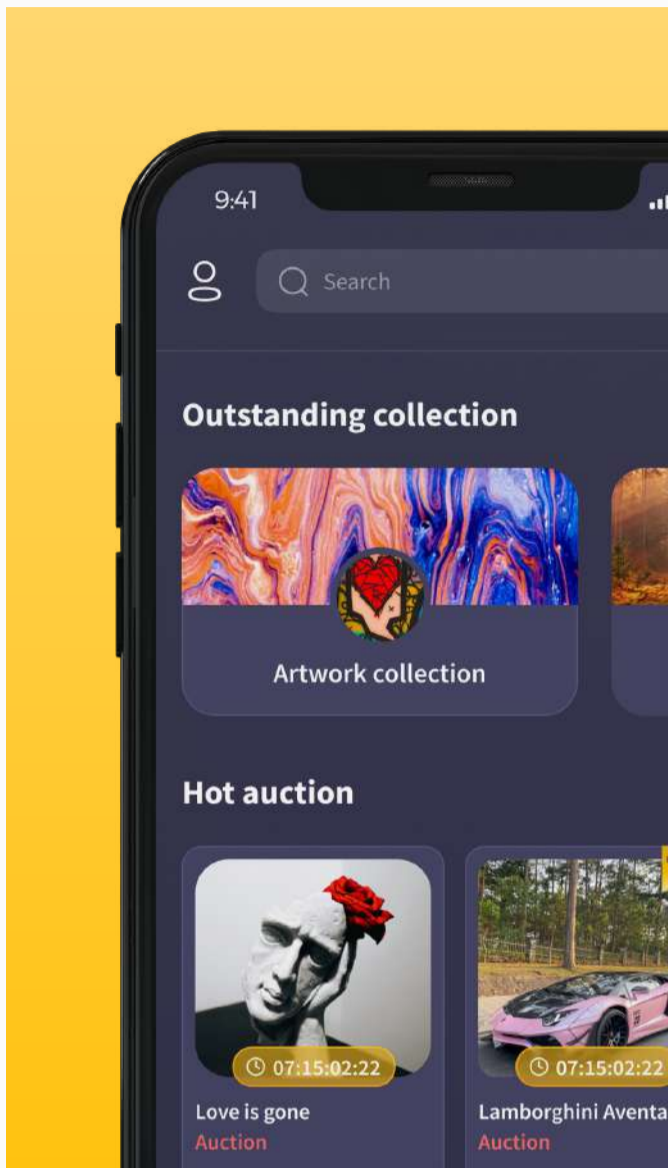
User Experience Enhancements:

- Intuitive UI/UX design for easy wallet setup, fund management, and card-based transactions.
- Streamlined processes for card linking and seamless payments within the wallet.

Regulatory Compliance Measures:

- Adherence to Know Your Customer (KYC) and Anti-Money Laundering (AML) regulations.
- Implementation of data privacy measures such as GDPR compliance.





NFT Marketplace

Defi For You - NFT Marketplace

Project Overview

Defi For You - NFT Marketplace on Binance Smart Chain links asset owners with evaluators and offers an NFT marketplace for trading real-value NFTs. The platform boasts an intuitive web UI for evaluators, users, and administrators. Built on BSC blockchain with Solidity smart contracts, it supports multiple token payments (BUSD, BNB, USDT, USDC).

Challenge

Teck Stack

AWS, Kubernetes, Jenkins, GitLab, ASS, Prometheus, ReactJS, Typescript, Flutter, Solidity, Binance Smart Chain, NodeJS, IPFS, Hardhat, Gnosis Safe Multisig, Moralis

Project Completion Time

06 months of work

Team Structure

20 people worked

Technical Challenges

- **Storage and Security:** Ensuring robust storage and security for private keys, seed phrases, and sensitive user data.
- **Blockchain Scalability:** Utilizing the BSC might encounter scalability issues and increased transaction fees during peak network usage.

User Challenges

- **Complex User Experience:** The multitude of supported tokens and wallet platforms may create confusion and hinder user accessibility.
- **Security Concerns for Evaluators:** Entrusting evaluators with physical assets raises security and liability concerns in case of mishandling.

Key Features

- ▶ Evaluation and creation of hard-asset based NFTs
- ▶ Trading, auctioning, and selling of both soft and hard-asset based NFTs within the marketplace
- ▶ Streamlined user interfaces catering to both NFT categories
- ▶ Enhanced security measures for asset protection for both types of NFTs
- ▶ Payment flexibility with various tokens

Solution

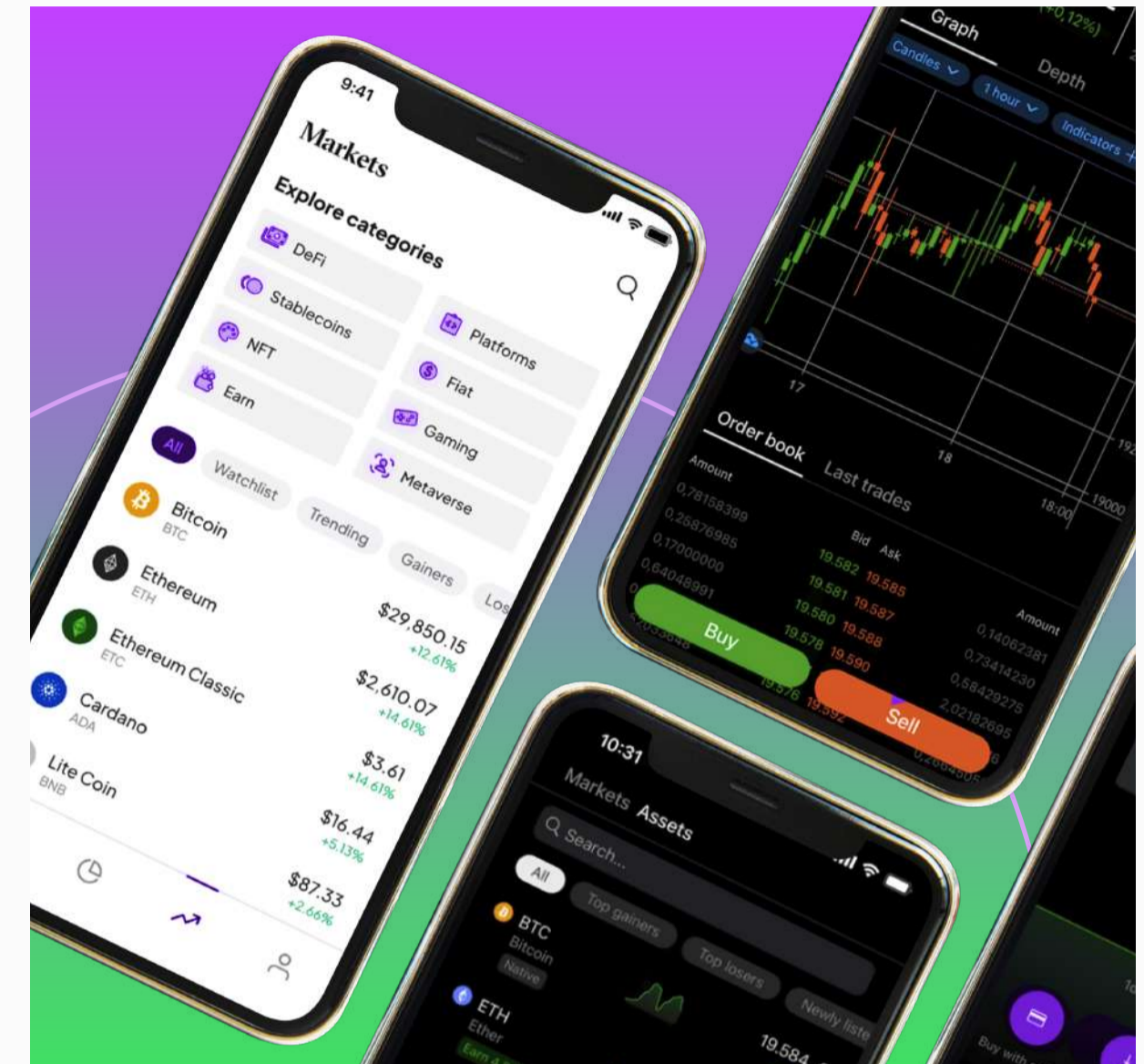
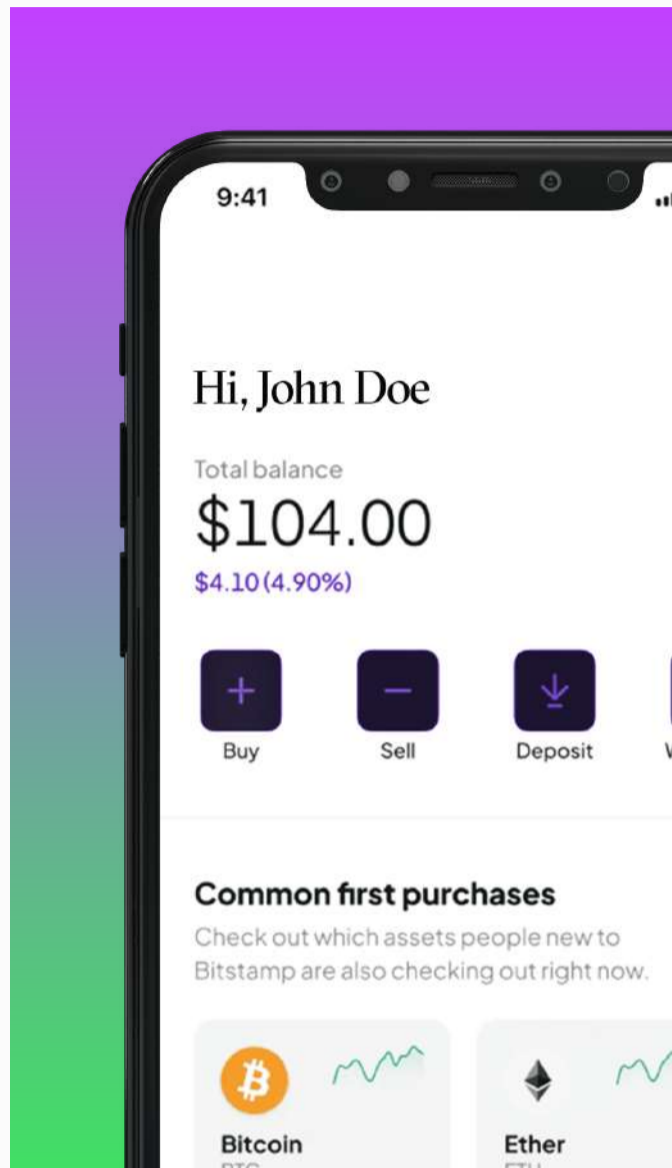
How the Product Operates

The marketplace operates by enabling users to submit physical assets for evaluation, leading to the creation of hard-asset based NFTs. These hard-asset based NFTs, alongside soft NFTs, can then be traded, auctioned, or sold within the marketplace.

Technical Solutions

- **Security Measures:** Implement robust security involves encryption, hardware wallets, multi-factor authentication, strict access controls, routine audits, secure development practices, compliance adherence, and backup protocols to safeguard private keys and user data.
- **Scalability Assessment:** Evaluate alternative blockchains or layer 2 solutions for improved scalability and reduced transaction fees for both NFT types.
- **User Experience Enhancement:** Simplify token acceptance processes and prioritize intuitive user interfaces for both soft and hard-asset based NFTs.
- **Security Enhancements:** Implement smart contract mechanisms and escrow systems to safeguard both types of NFTs during evaluation and transactions.





Cryptocurrency Exchange White Label

Swift Deployment Bears Fruits: From A Newcomer to A Formidable Player

Project Overview

Embarking on a mission to reshape the decentralized finance landscape, the client, a visionary blockchain startup, sought a game-changing solution to seamlessly integrate a decentralized exchange. Faced with the challenges of rapid market entry and user engagement, they turned to our Crypto Exchange White-Label Solution.

Challenge

Teck Stack

Nodejs, Nestjs (Fastify), Postgresql, Redis (Cache + Queue), Google Cloud Pubsub, Golang, Vault, Typescript, Flutter

Project Completion Time

05 months of work

Team Structure

10 people worked

Amidst the surge in growth within the decentralized finance sector, the client faced a pivotal juncture. The accelerating demand for a robust trading platform highlighted the need for swift and strategic market entry. As regulatory complexities continued to evolve, compliance became a pressing concern for sustained success. Resource constraints further intensified the challenge, prompting the client to seek a solution that could seamlessly bridge the gap and empower them to navigate the intricate landscape of decentralized finance with agility and confidence.

Our white-label solution presented the client with a catalyst for rapid market entry, enabling them to circumvent the complexities of in-house development. The solution's customization capabilities aligned seamlessly with the client's brand identity, ensuring a unique and user-friendly experience. Moreover, our commitment to security excellence provided the client with a robust foundation to safeguard user assets and data in the decentralized ecosystem.

Solution

In response to the client's intricate needs, our white-label solution extended beyond a mere decentralized exchange platform.

Swift Deployment: Launch the decentralized exchange quickly, seizing market opportunities without extensive development timelines.

Customization: Tailor the platform to align seamlessly with the client's brand and user experience, ensuring a distinctive market presence.

Security Excellence: Benefit from advanced security features, including multi-signature wallets and regular audits, prioritizing the safety of funds and user data.

Scalability: Our solution grows with the client's business, handling increased user volumes and trading activity to ensure optimal performance.

Regulatory Compliance: Stay ahead of regulatory changes with our adaptable platform, providing confidence in compliance with evolving industry standards.

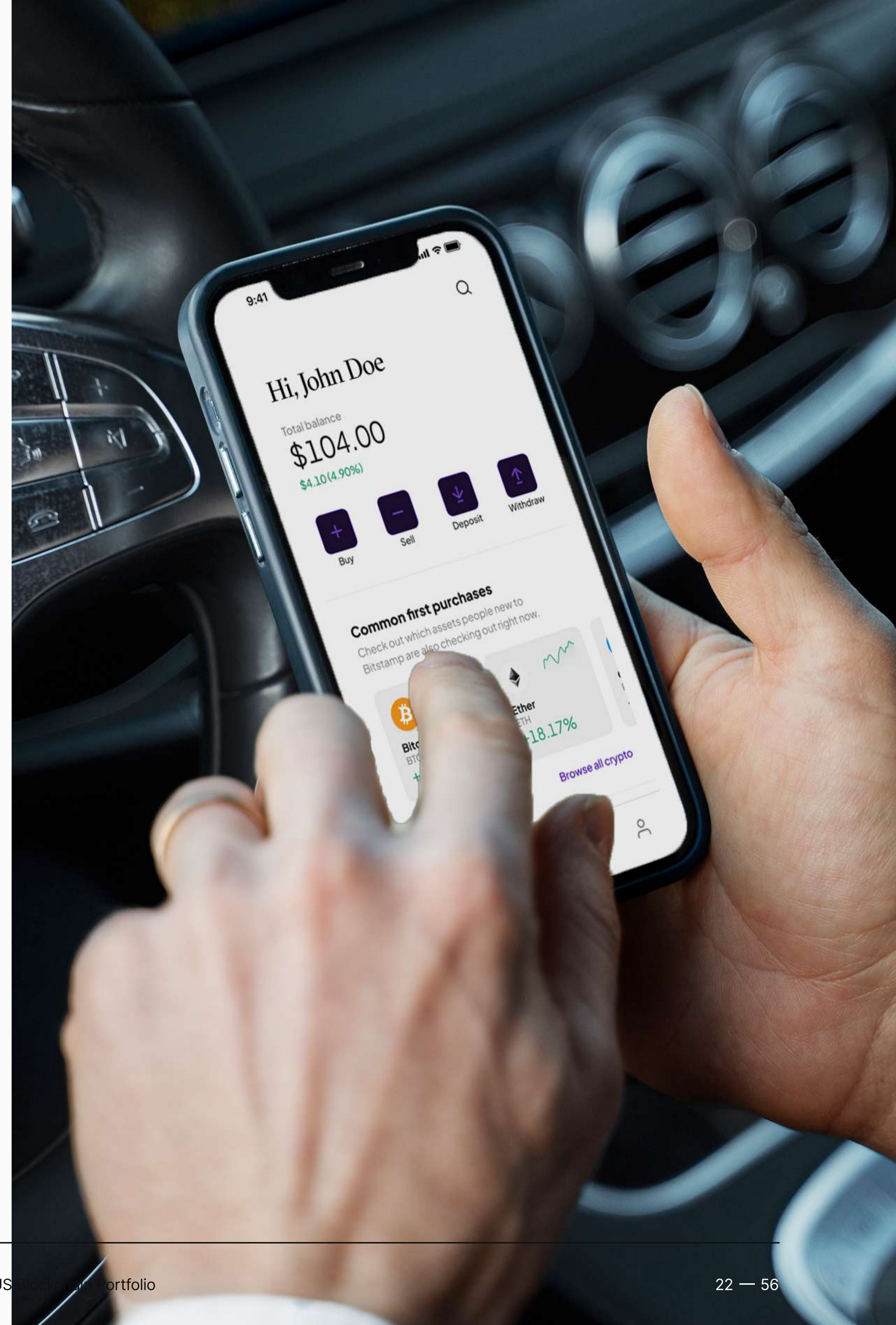
Ongoing Support: Rely on continuous support, updates, and a proven track record, ensuring the longevity, security, and efficiency of your decentralized exchange.

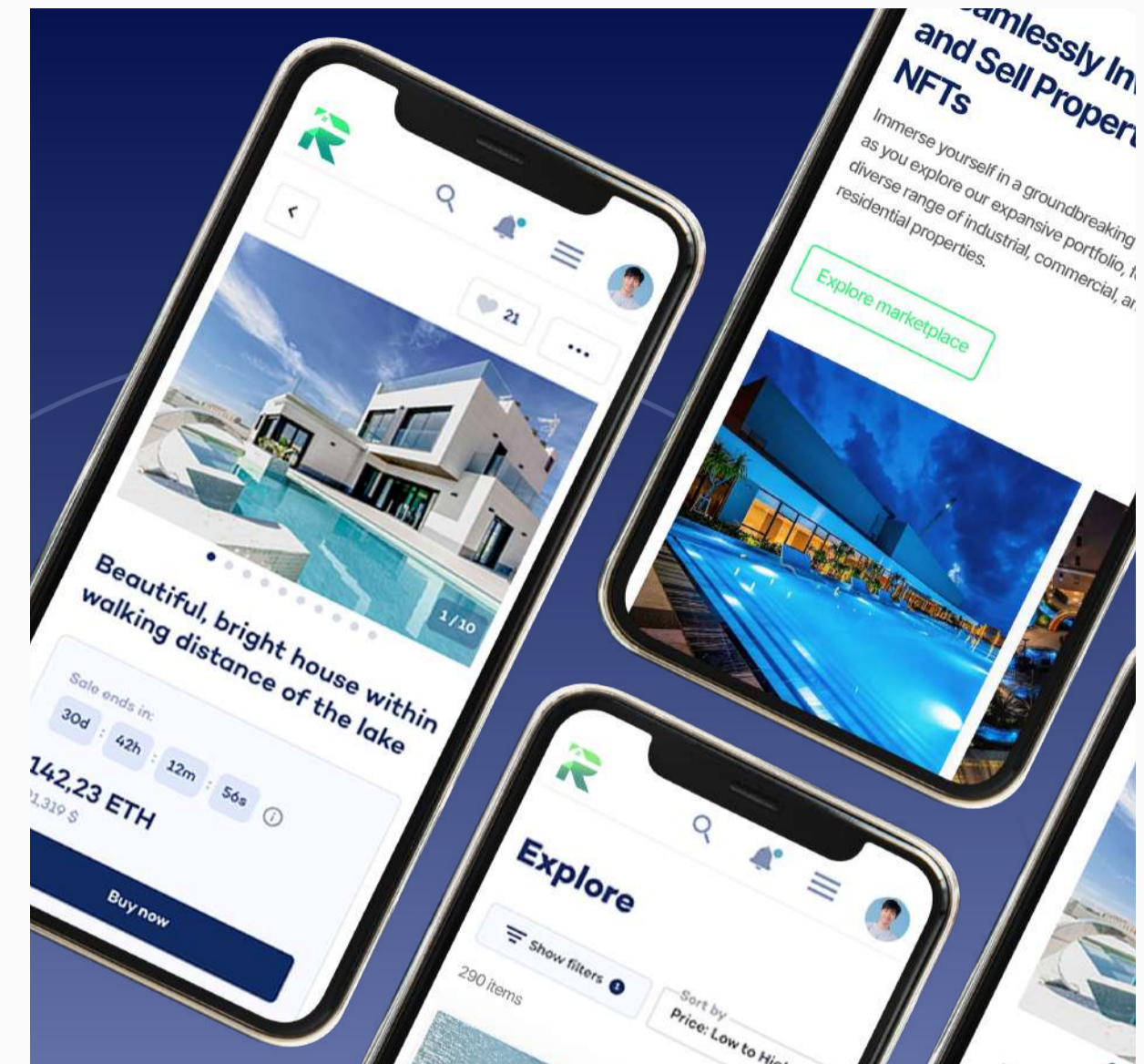
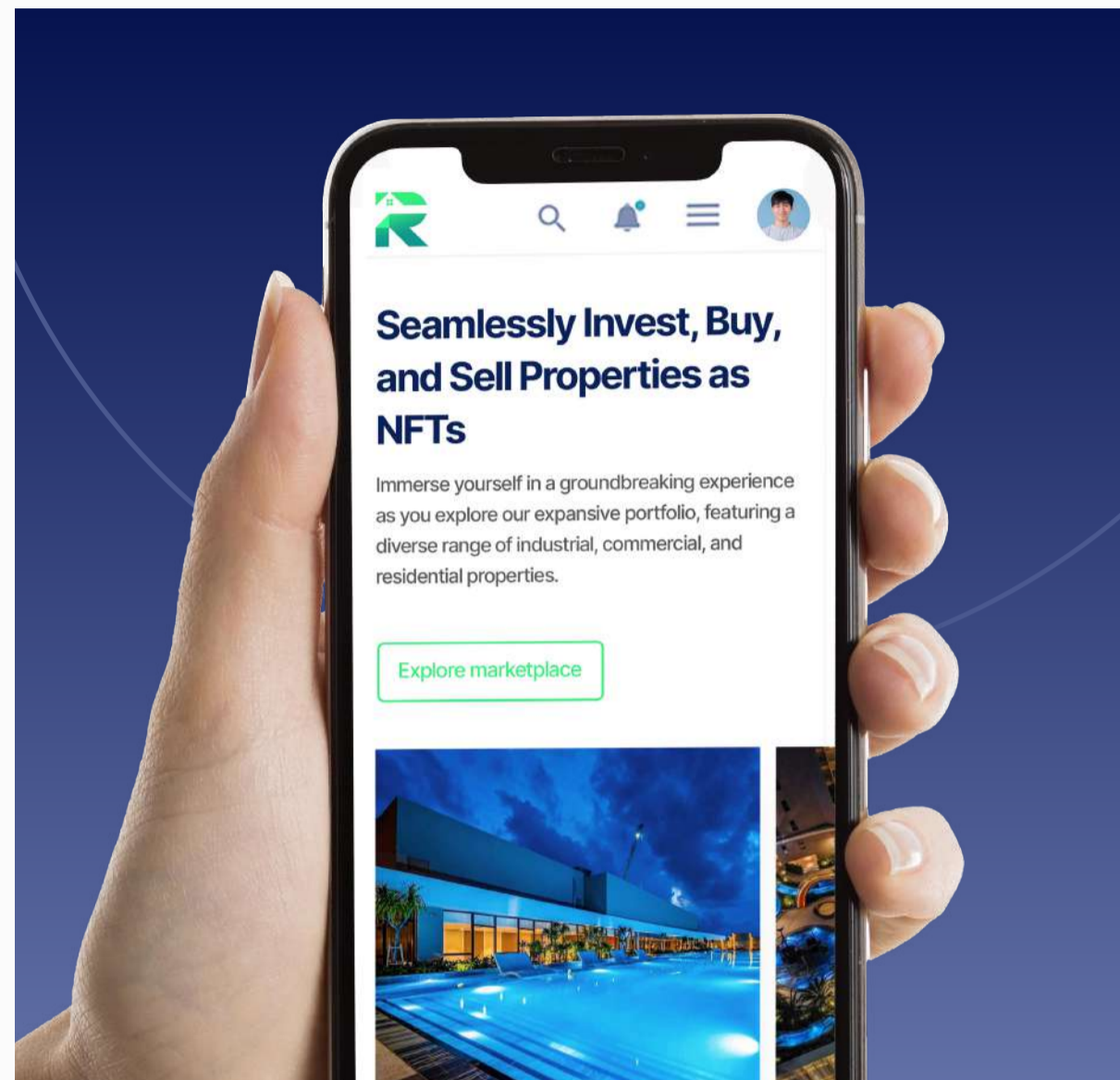
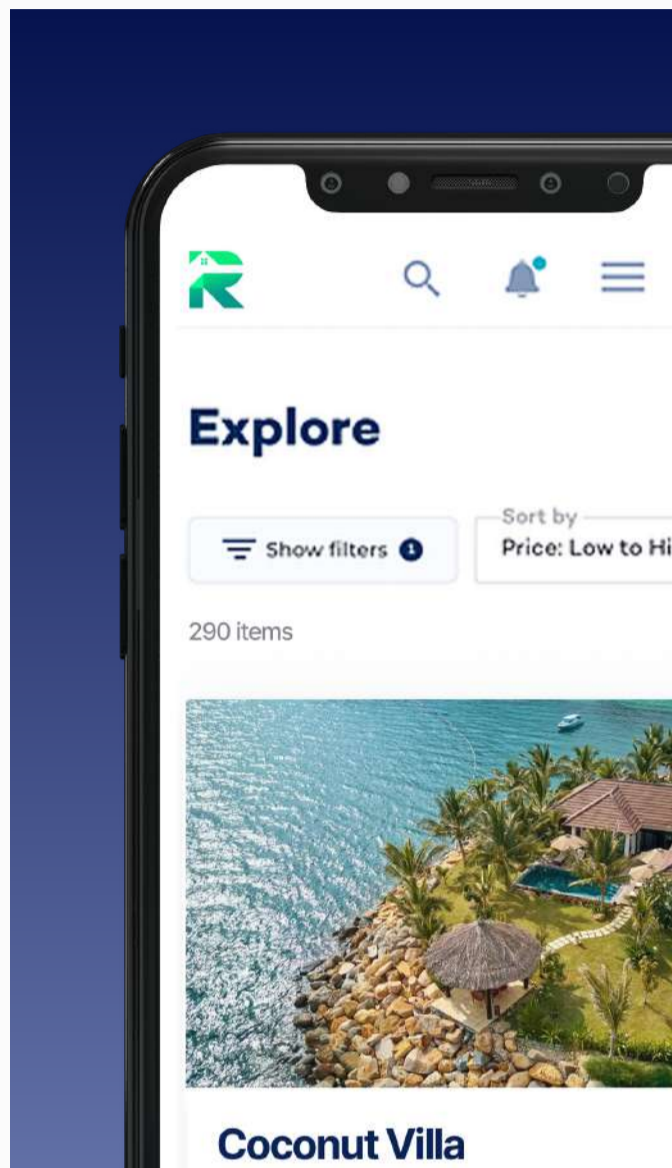
Comprehensive Infrastructure: Augment the offering with tools for marketing campaigns, referral programs, and enhanced user utilities to drive engagement and loyalty.

Results & Impacts

The client, empowered by our white-label solution, witnessed remarkable results.

- ▶ Trading operations flourished, leading to a 150% boost in user engagement.
- ▶ Compliance adherence ensured regulatory confidence, and seamless integration accelerated time-to-market.
- ▶ The client's entry into the decentralized finance arena was not just swift but transformative, propelling them from a follower to an industry contender.





Real Estate Tokenization

Real Estate Game-Changer: Bringing the Whole Value Chain on Chain

Project Overview

Our valued partner, a prominent real estate powerhouse in Vietnam, boasts a rich history in real estate development and leasing. With years of industry experience, they identified the pressing challenges faced by stakeholders throughout the real estate chain, setting the stage for a visionary collaboration with Synodus.

Teck Stack

AWS, Kubernetes, Jenkins, GitLab, ASS, Prometheus, ReactJS, Typescript, Flutter, Solidity, Binance Smart Chain, NodeJS, IPFS, Hardhat, Gnosis Safe Multisig, Moralis

Project Completion Time

02 years of work

Team Structure

06 people worked

Challenge

Industry Challenges

Real estate, an ever-evolving landscape, faces unyielding challenges. Limited accessibility, formidable financial risks, and the fog of opacity have long hampered the industry's growth, making it an exclusive playground for high-net-worth individuals. The game needed a changer.

Solution

The Strategic Approach

We didn't just approach the challenges; we embraced them head-on. Our strategy, like the keystones of a grand structure, rested on three pivotal elements:

Fractionalization and Democratization: Removing barriers and making real estate investment accessible from the ground up.

Transparency and Automation: Illuminating the path with smart contracts, bringing efficiency, trust, and transparency.

Customization and Flexibility: Recognizing that every investor is unique, they allowed for personalized portfolios tailored to financial aspirations.

A Visionary Alliance

The client sought a partner to breathe life into their vision. In this quest, they found Synodus, introduced by a trusted source. Synodus wasn't just a name; it was a promise of competence, domain expertise, and an unwavering commitment to resolving real-world problems through blockchain technology.

Solution Provided

Synodus assembled a team of cross-disciplinary experts. Together, we conceived a comprehensive solution:

Tokenization Studio: Empowering seamless conversion of real estate assets into secure digital tokens.

NFT Marketplace: The launchpad for initial real estate asset token offerings, where investors access and acquire newly introduced tokenized properties for the first time.

Digital Assets Exchange: A trading platform enabling investors to buy, sell, and trade existing tokenized real estate assets post-initial offering, fostering liquidity and secondary market transactions.

Digital Asset Management: Enabling investors and issuers efficiently oversee and optimize their tokenized real estate portfolio.

Results & Impacts

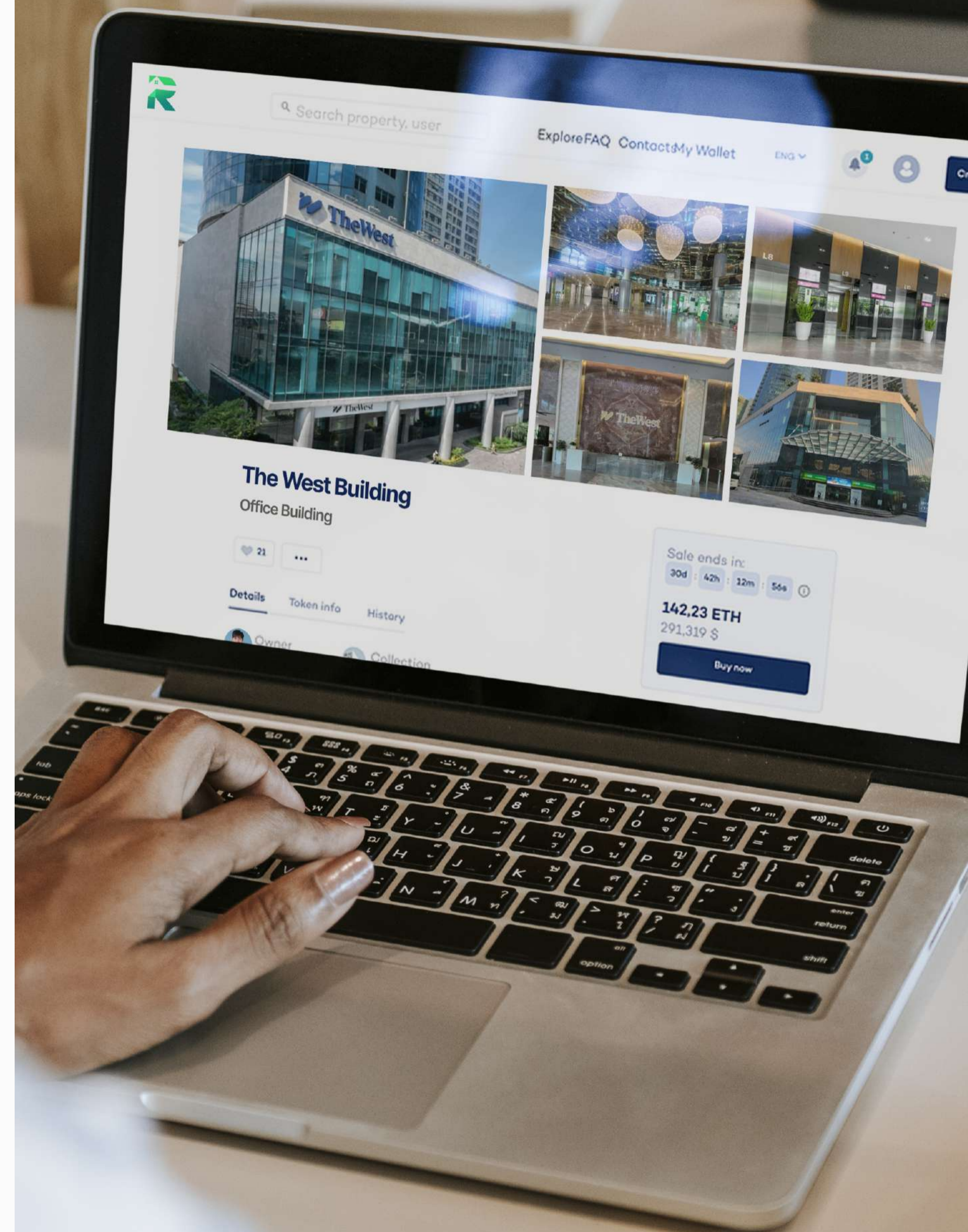
The collaboration bore remarkable fruits:

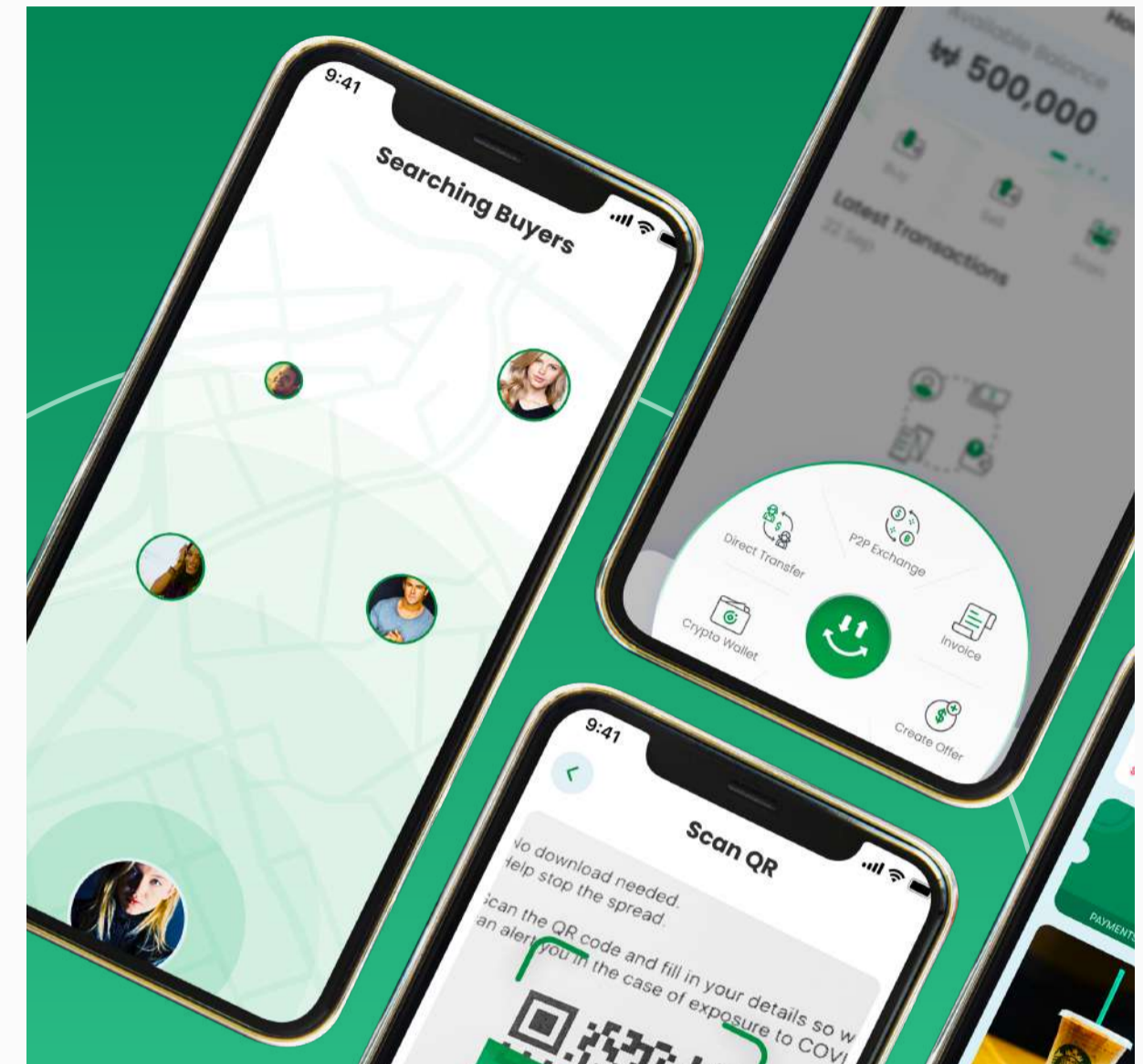
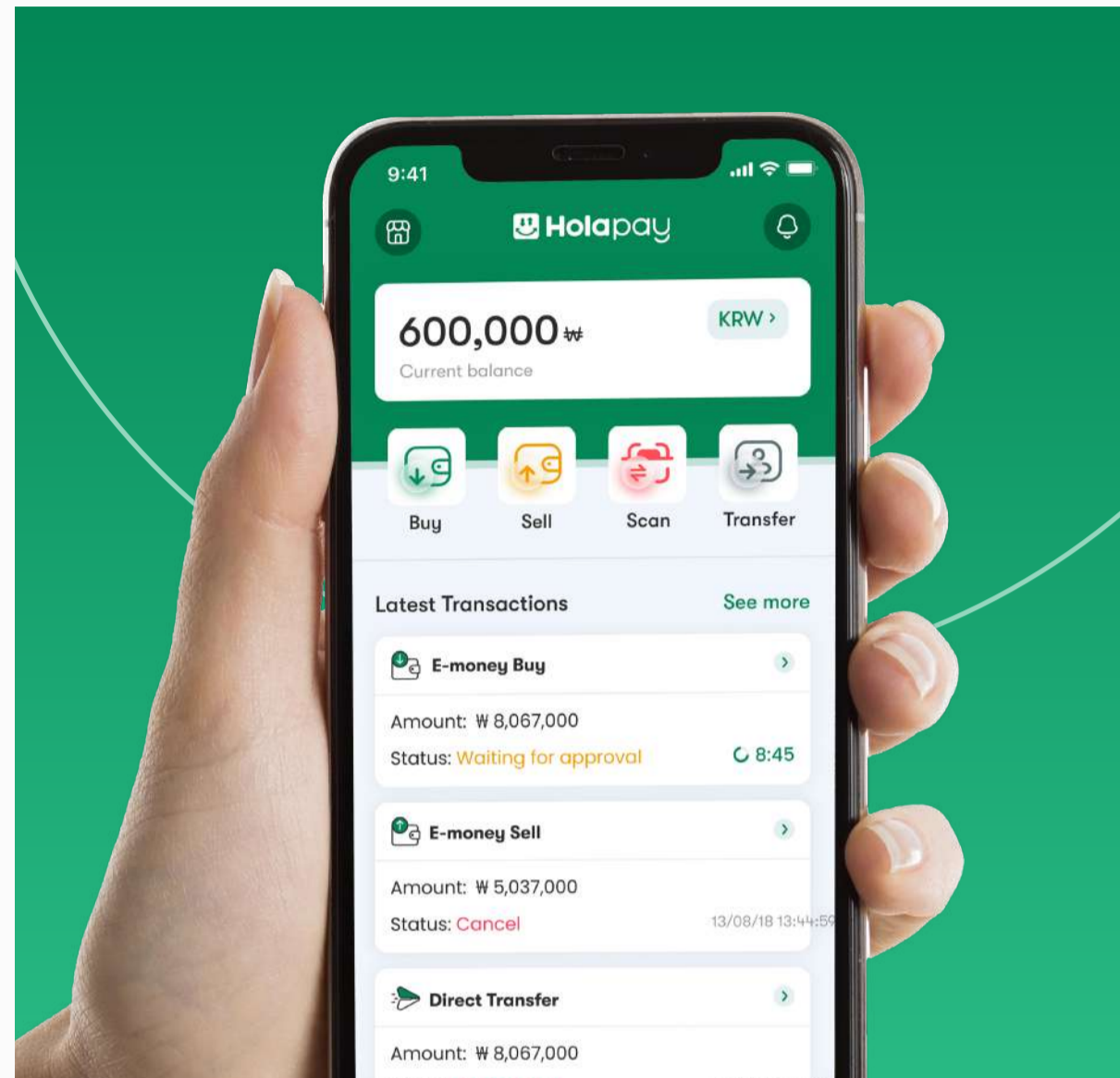
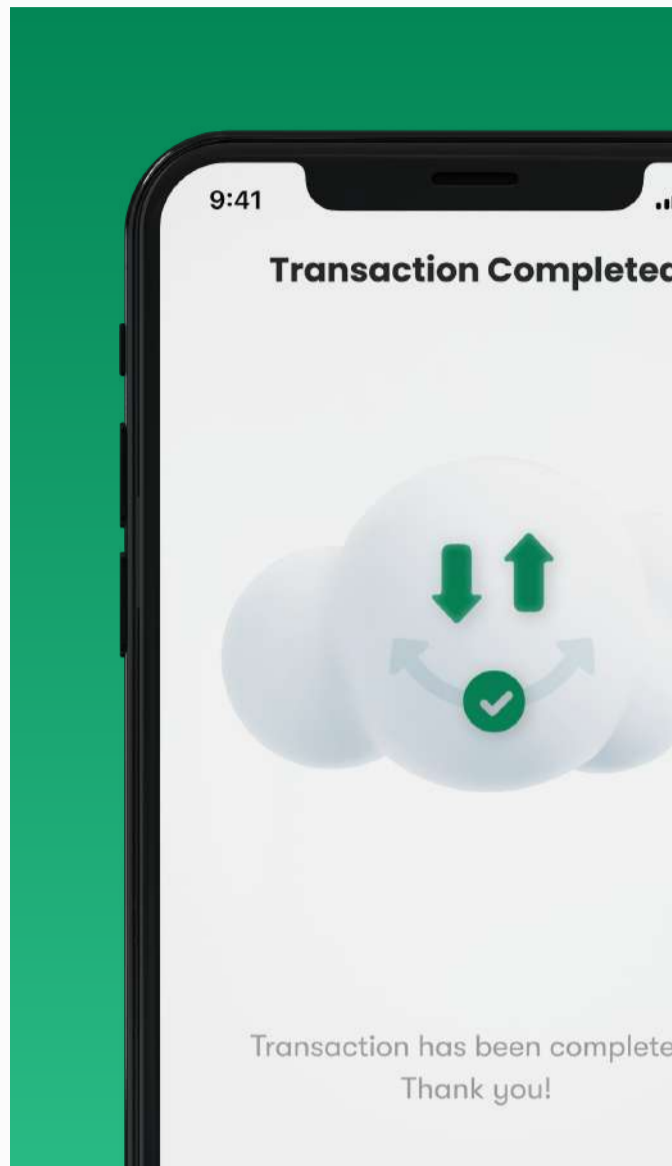
- ▶ A robust business model in compliance with industry standards.
- ▶ An MVP launch that set new standards, pioneering real estate investment in Vietnam.
- ▶ A revolutionary approach that granted broader access, slashed transaction costs, and fortified financial stability.
- ▶ The MVP buzzed with excitement, rallying visionary pre-seed investors who recognized its immense potential.

What's next?

Continued Quest for Innovation: Synodus remains unswerving in our journey. We are committed to expanding and elevating the capabilities of the platform.

Our unwavering mission: To redefine the real estate investment landscape, driving innovation across the vibrant Vietnamese market.





Digital Wallet

Fintech Evolution: A Blockchain-Infused Transformation

Project Overview

A fintech trailblazer, founded in 2020, has been on a mission to provide secure E-wallet solutions that allow millions of users worldwide to engage in international e-money and cryptocurrency transactions.

Challenge

Teck Stack

Nodejs, Nestjs (Fastify), Postgresql, Redis (Cache + Queue), Google Cloud Pubsub, Golang, Vault , Firebase

Project Completion Time

04 months of work

Team Structure

10 people worked

The client's vision extended to developing a crypto ecosystem and a global payment platform. However, they faced the challenge of finding a partner with the expertise and potential to nurture their product from its inception and develop upcoming solutions to enhance the company's ecosystem.

Their previous collaboration with a technology company had fallen short, leading them to seek a more experienced and capable partner. The company envisioned having over 3 million users by the end of 2023, facilitating cryptocurrency payments.

Solution

Approach

We believe in a consultative approach that begins with a deep understanding of the client's business requirements. Working collaboratively with the client, we engaged in in-depth discussions to understand their unique needs. We assessed the current state of the project, identified areas requiring attention, and addressed any existing issues. Our extensive experience in blockchain technology enabled us to offer comprehensive consulting services aligned with their vision.

Solution Provided

We implemented e-money solutions, enabling users to convert fiat currency to e-money and conduct worldwide transactions via a Peer-to-peer system. Our solution included custodial and non-custodial crypto wallets, multi-layer security measures, and a user-friendly mobile app. The back office was designed for efficiency, scalability, and informativeness.

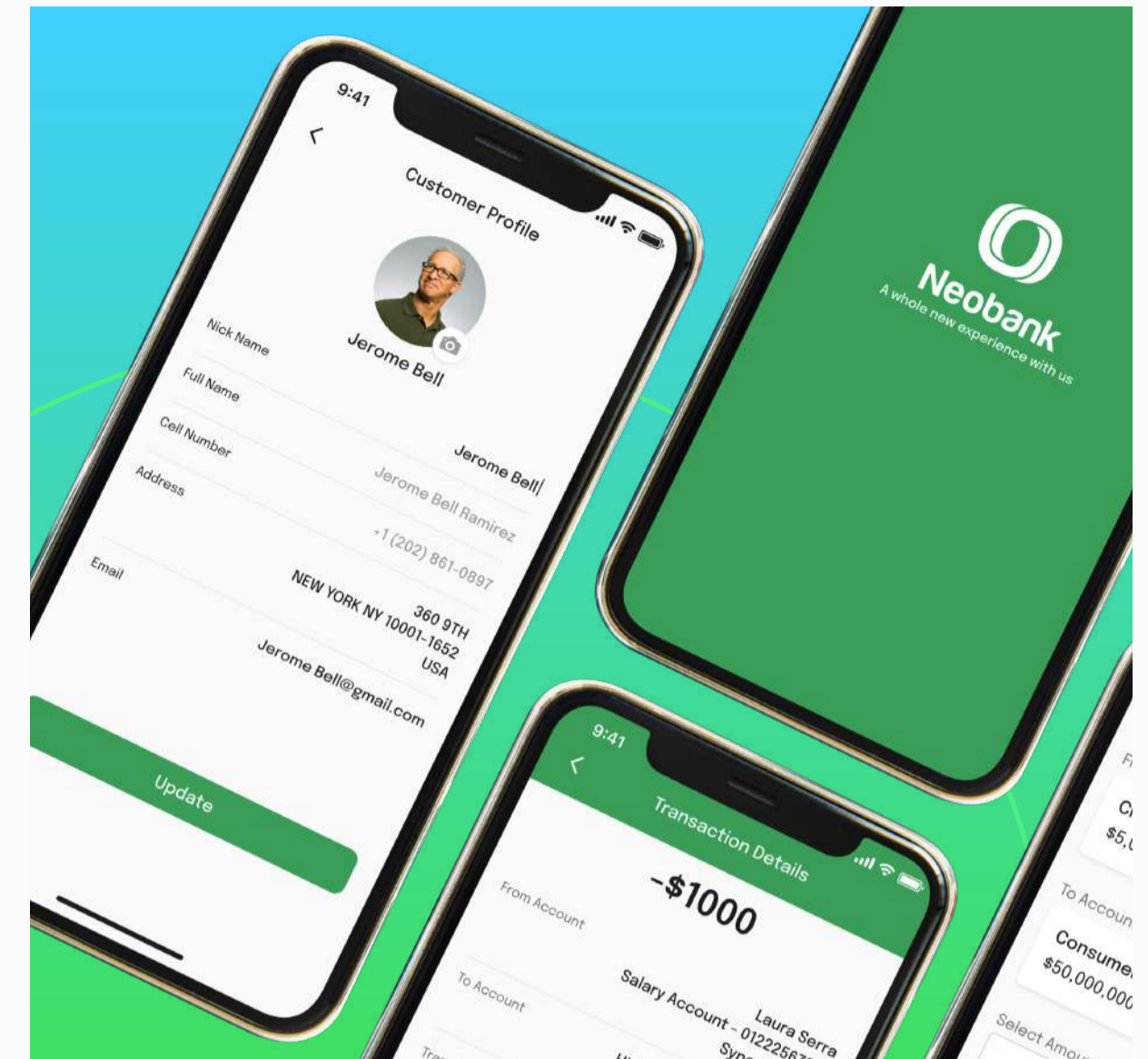
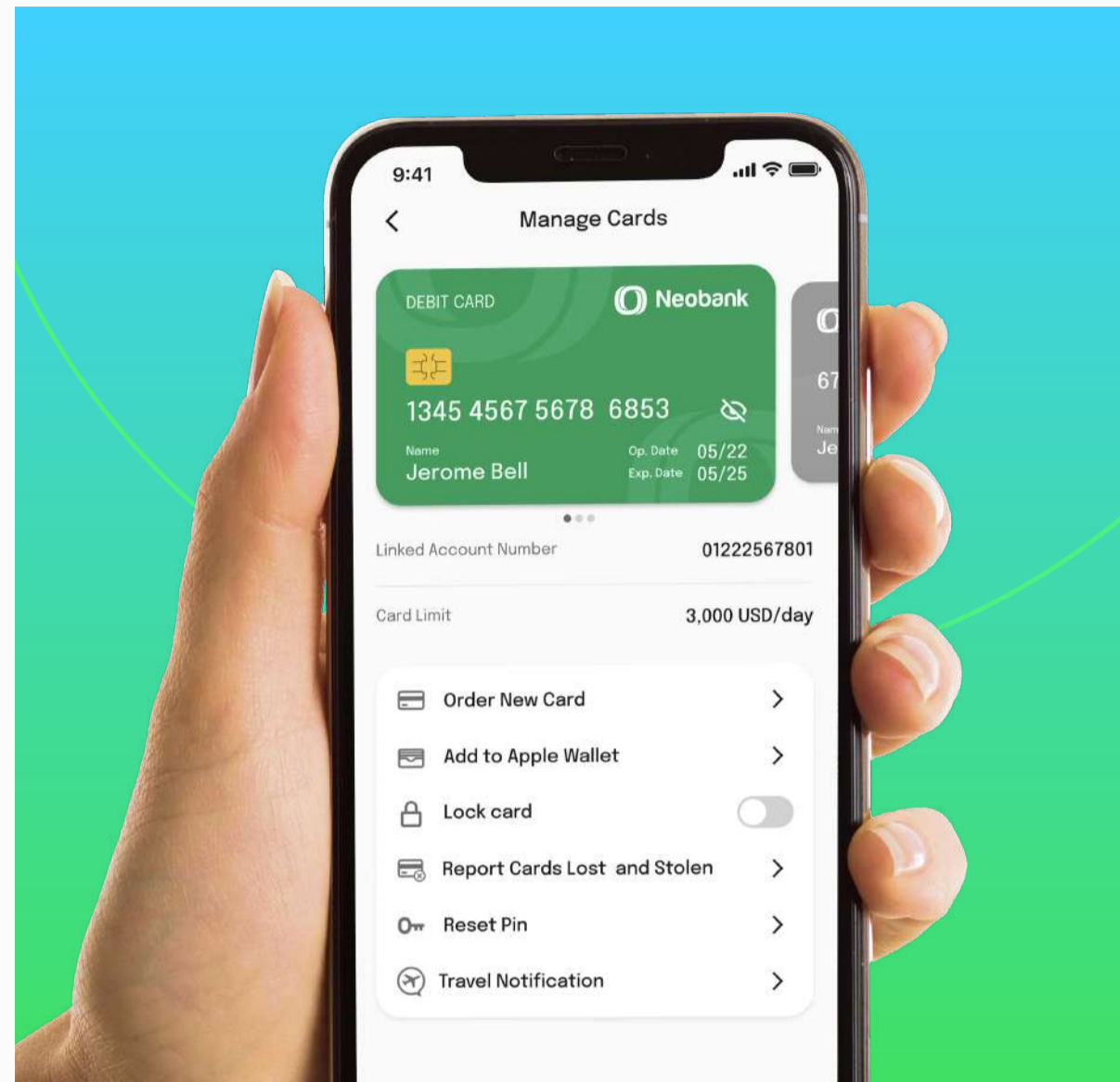
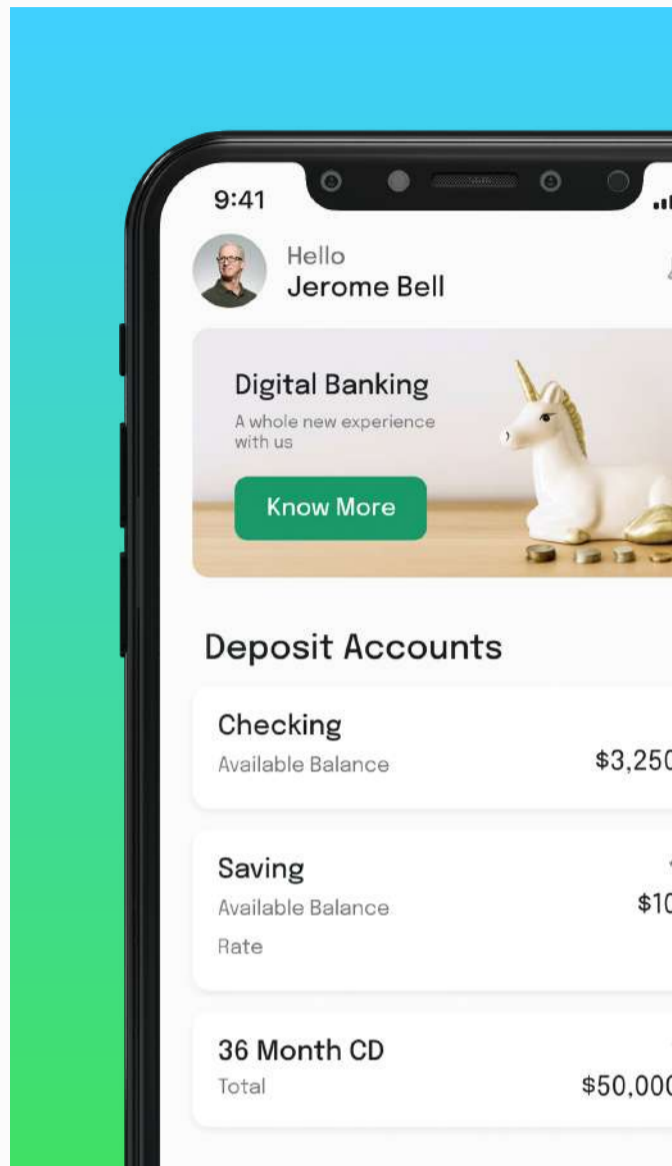
Results & Impacts

Together, we're pioneering an exclusive cryptocurrency designed to serve diverse applications, from trading to investment and rewards. This digital currency is built on a robust blockchain infrastructure, ensuring security and operational efficiency. Additionally, our collaboration focuses on transforming the way users conduct transactions within the client's ecosystem, offering a seamless, secure, and near-instantaneous experience.

What's next?

With the upcoming product launch and increased user adoption, the client is poised to capture a significant market share. Collaborations with other payment service providers will further enhance market share and elevate the company's reputation.





Crypto-enabled Neobank

Empowering SME Banks: The Digital Banking Revolution

Project Overview

Our journey with this project began when an industry visionary, an ex-VP of Technology and Architecture at a leading fintech and payments company, embarked on a mission to transform the banking sector. With over two decades of experience, he sought to create a digital banking platform tailored for medium-sized and small banks. This venture wasn't just about technology; it was about empowering financial institutions to thrive in the digital age.

Monumental Challenge

Teck Stack

Microservices, NodeJS, ReactJS, React Native

Project Completion Time

01 year of work

Team Structure

16 people worked

Building a robust digital banking platform for smaller financial institutions was a monumental challenge. These banks needed a solution that seamlessly integrated core banking systems while offering user-friendly interfaces. Efficiency, security, and scalability were non-negotiable.

Our partnership stood out among global contenders due to our unique offerings: not only developing the platform but also expanding business in the APAC region.

Solution

High-Level Approach & Methodologies

Our approach revolves around a modular, scalable, and API-driven architecture, empowering your digital bank to be nimble and adaptable. Key elements include:

- Modular Architecture for Flexibility
- API-First Strategy for Seamless Integration
- Cloud-Based Infrastructure for Scalability
- Microservices Architecture for Independent Services
- Customer-Centric Features for Exceptional User Experience

The Comprehensive Solution

Our digital bank platform as a service (PaaS) relies on an API-first strategy, cloud-based infrastructure, and microservices architecture. Key features include:

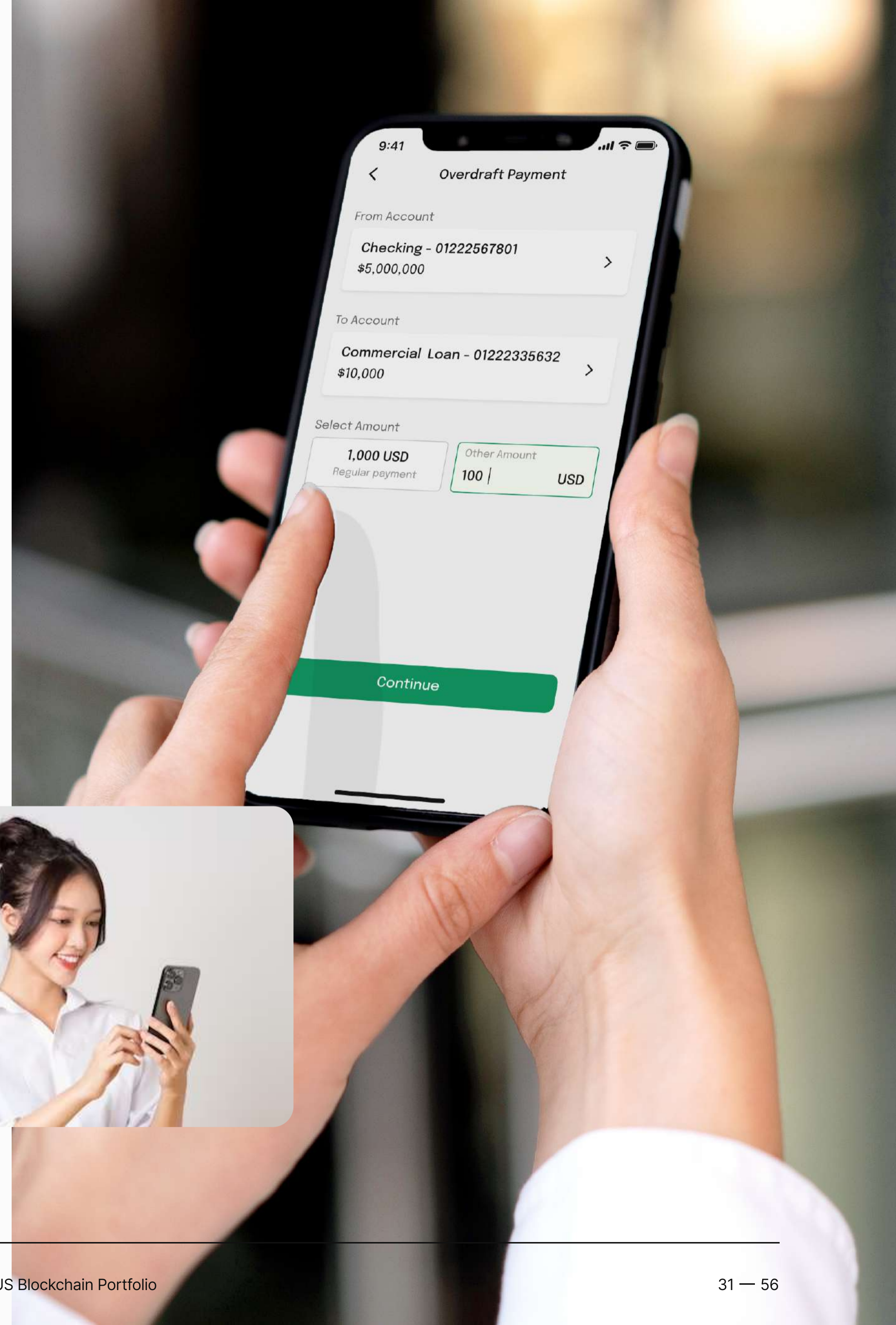
- CASA Account Management
- Feature-Rich Savings Account
- Simplified Lending/Borrowing
- Secure Payment Processing
- Seamless Customer Onboarding
- Robust Security Measures
- Third-Party Integrations
- Data Insights and Analytics
- Regulatory Compliance

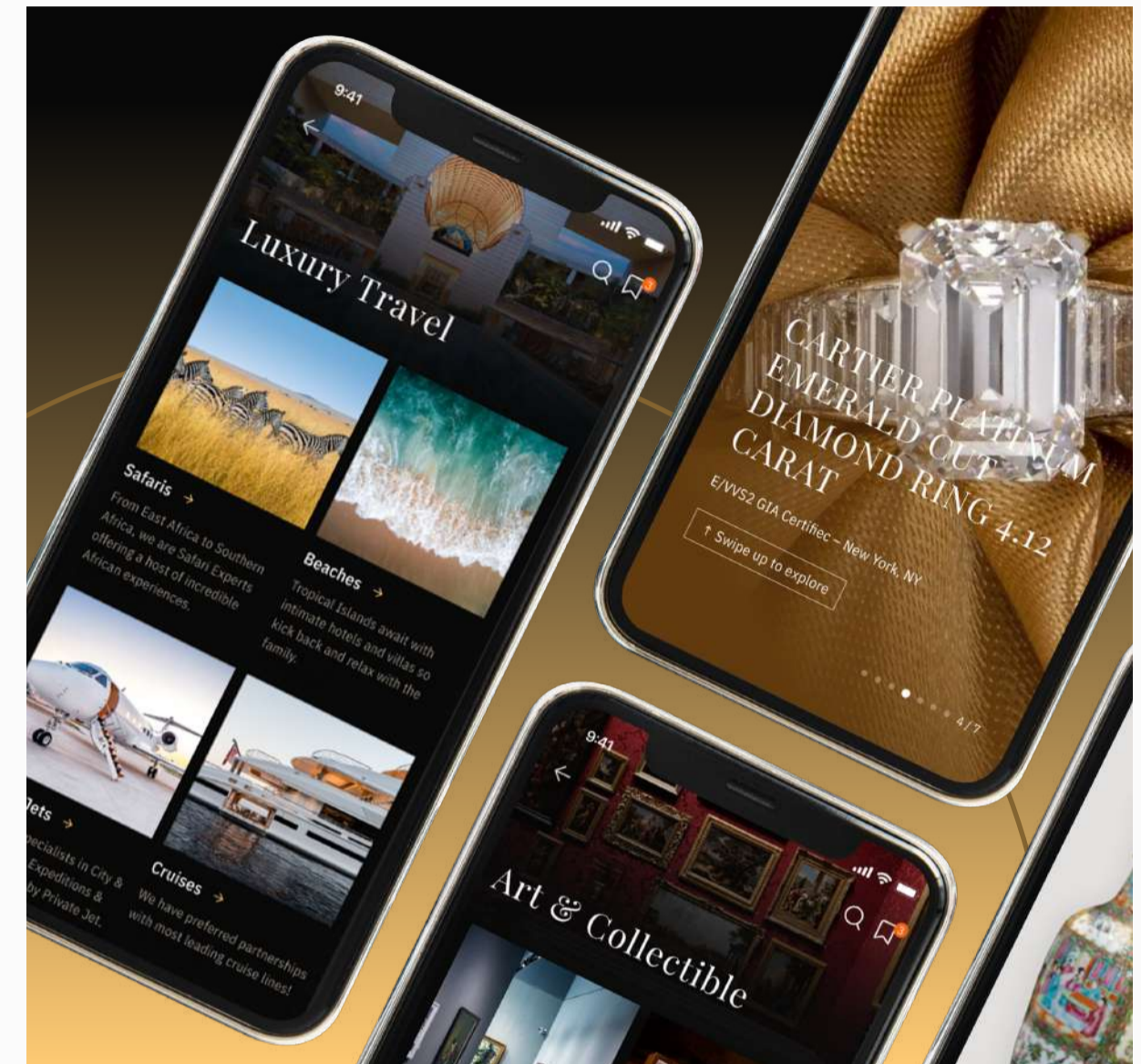
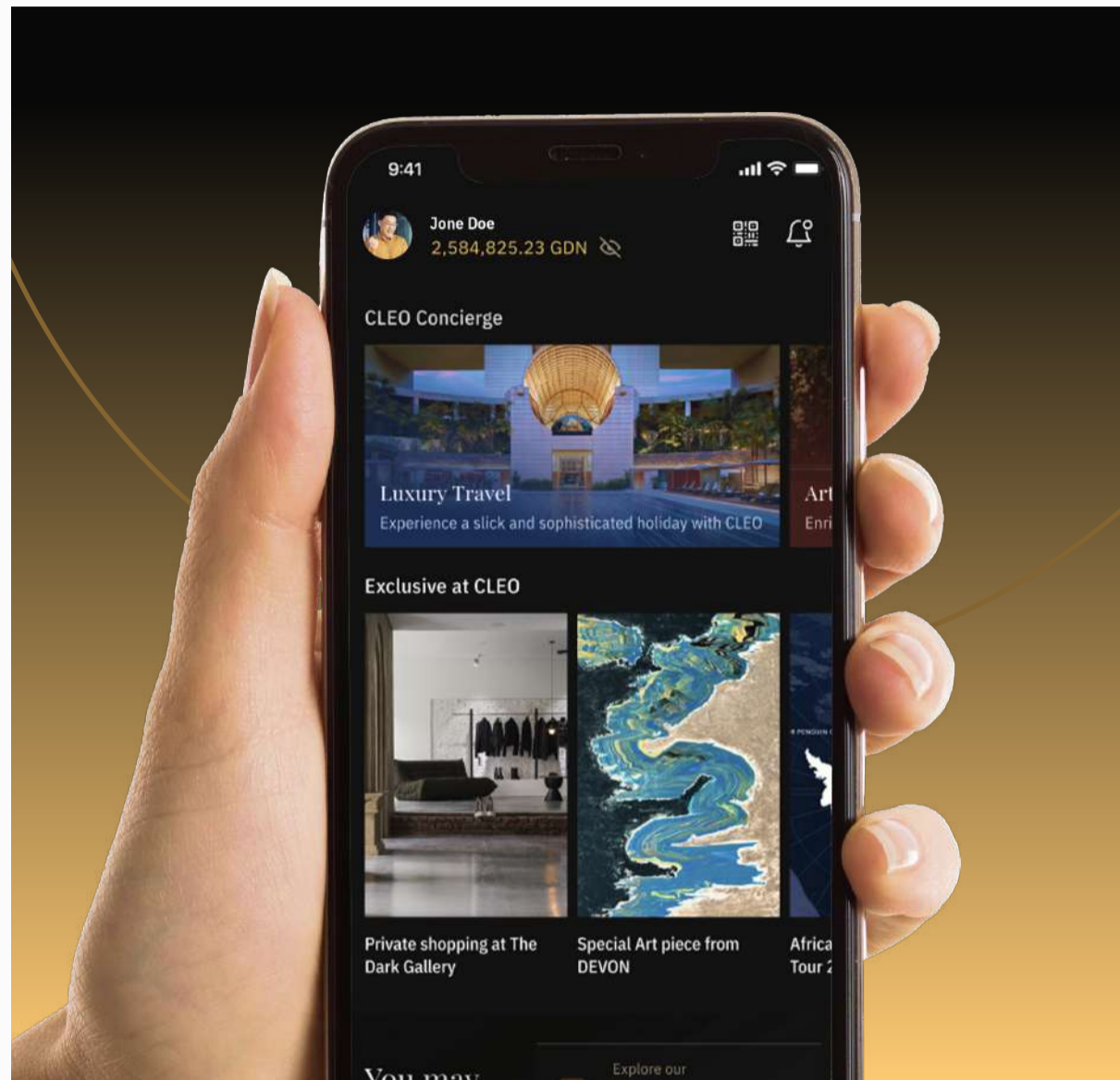
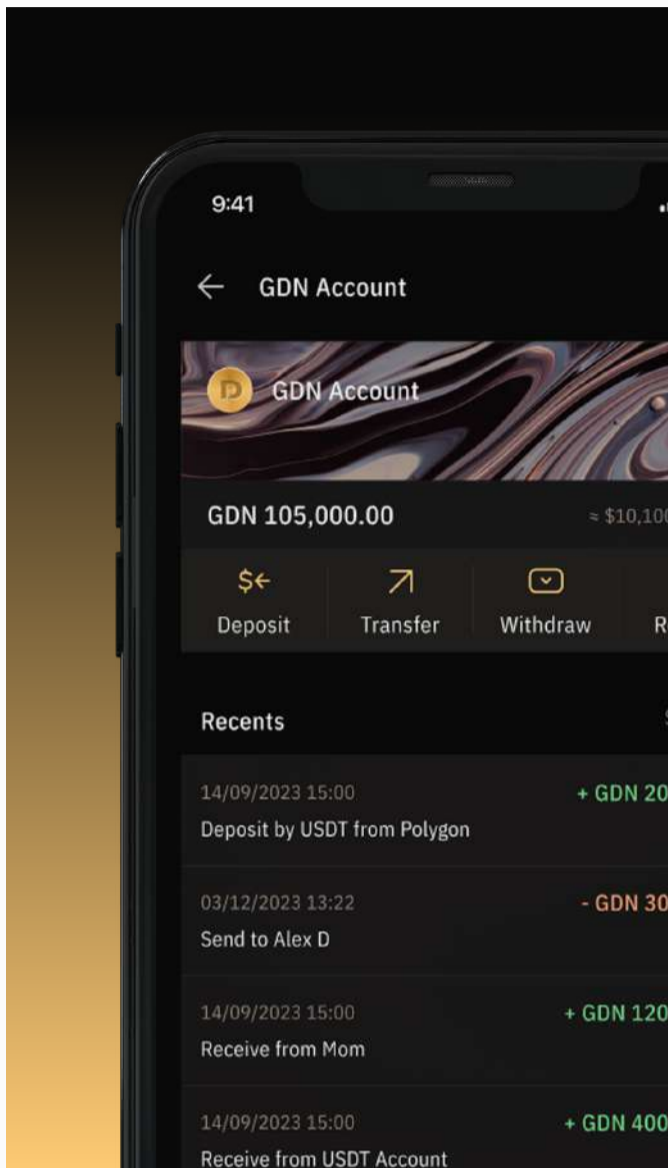
Results & Impacts

The digital banking project, which spanned a year and engaged a dedicated team of 20 to 30 Full-Time Equivalents (FTEs), has yielded remarkable results and impacts. It was executed seamlessly, delivering the product within the allocated budget and timeframe, and successfully bringing it to the North American (NA) market.

Here are the key outcomes:

- ▶ On-Time and On-Budget Delivery
- ▶ Proof of Concept (POC) with Three Clients in NA
- ▶ User Satisfaction and Efficiency
- ▶ Scalability and Growth Potential
- ▶ Enhanced Partnership





Private Banking

Elevating Ultra High Net Worth Lifestyles

Project Overview

Picture a financial app that isn't just about money but about enriching high-end lifestyle. CLEO is that specialized platform designed for ultra high-net-worth individuals, offering a personalized financial experience beyond the ordinary. It's not just about transactions; it's about creating a world where financial aspirations align seamlessly with exclusive lifestyle preferences.

Challenge

Charting a New Course in Banking Innovation

CLEO's founders, with an intricate understanding of banking intricacies and a profound connection to the Ultra High Net Worth Individuals (UHNWI) in Southeast Asia, envisioned an innovative digital banking experience. However, the challenge loomed large – transforming these visionary ideas into a tangible, secure, and dependable digital banking ecosystem.

Solution

Let's take a glimpse into our transformative voyage!

- **Tailored Private Banking Ecosystem:** Shaped by exhaustive market research and astute product planning led by a proficient market researcher and senior product manager, our approach crafted a bespoke Private Banking ecosystem.
- **Central Bank-endorsed Stable Coin & Custom Private Bank:** Engineered a Stable Coin authorized by the Central Bank, enabling the creation of a Custom Private Bank exclusively designed for High Net Worth Individuals (HNWI), aligning precisely with market insights.
- **Cutting-edge Tech Stack & Blockchain Integration:** Leveraged advanced technologies and seamless integration with diverse blockchain networks (Bitcoin, Polygon, Tron, etc.) ensuring a secure, intuitive, and innovative Private Banking experience.

Chosen for Expertise and Ethos

Our team's profound comprehension of the banking sphere set us apart among contenders. Selected for our technical acumen and partnership ethos, Synodus brought a promise of unparalleled innovation. Our collaboration ensured CLEO an avant-garde digital banking platform. This bespoke solution seamlessly merged traditional banking with elite wealth management, leveraging cutting-edge technologies.

- **Integrated Services for Enhanced Client Experience:**

- + **CASA Account Management:** Seamlessly integrated within the platform for effortless transactions and crypto management tailored to HNWI preferences.

- + **Savings & Secure Lending:** Developed secure and personalized savings and lending services tailored precisely to the needs of affluent clients.

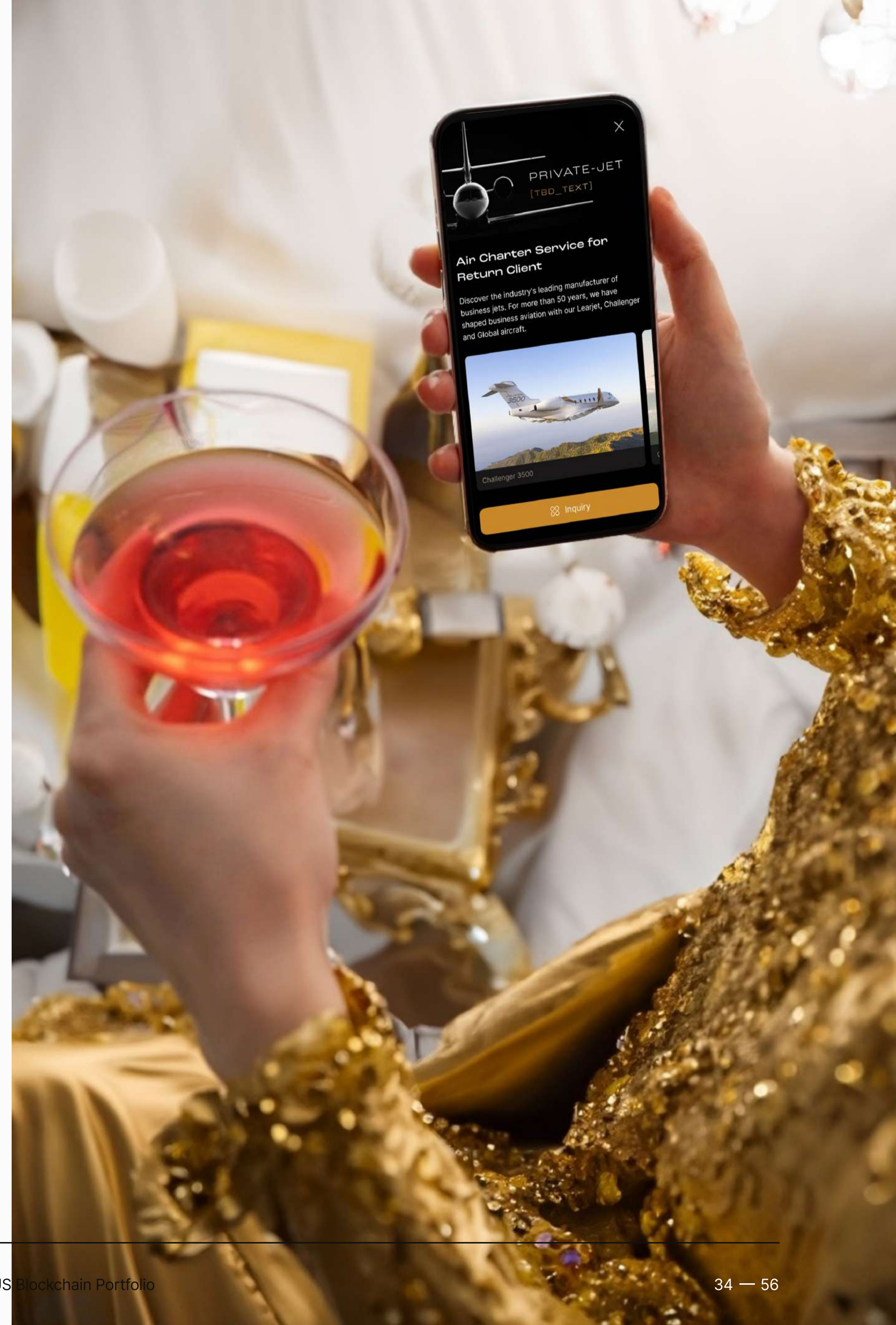
- + **Efficient Payments:** Leveraged IDC/ICC for secure and swift transactions, seamlessly integrated into the platform.

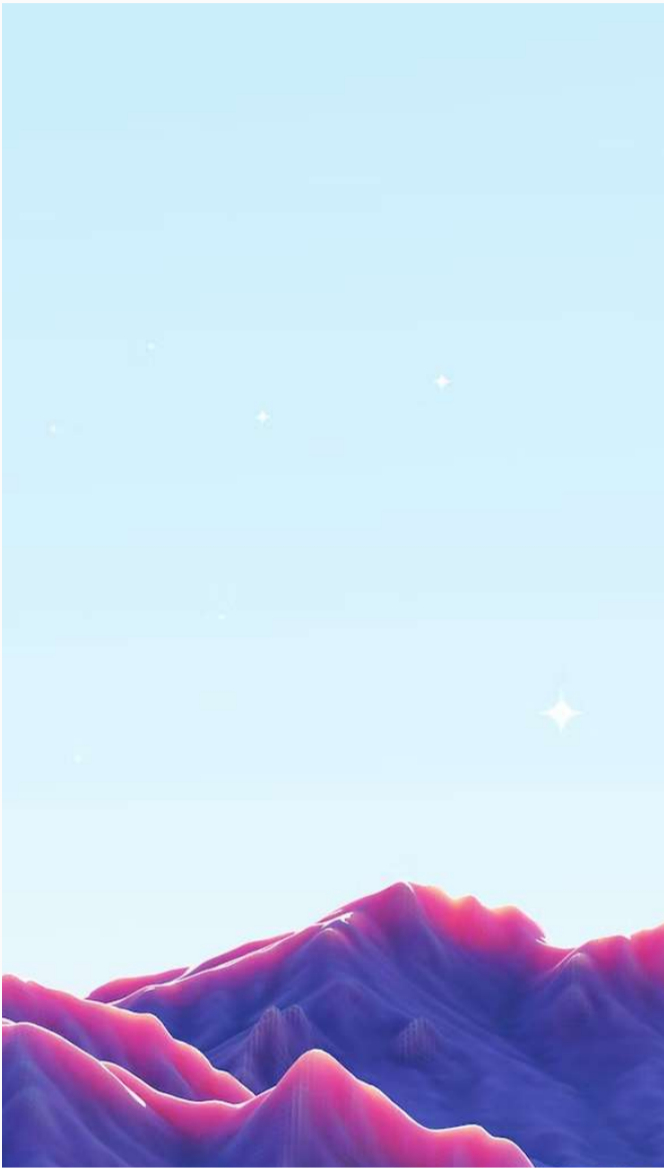
- + **Tailored Concierge Service:** Embedded a bespoke concierge service, offering personalized assistance and lifestyle management, meeting the discerning needs of affluent clientele.

Results & Impacts

Navigating the tumultuous early startup phase, our team iterated and refined the product extensively. Through resilience and collaboration, we forged a pioneering Private Banking platform.

In the nascent seed stage, our prototype garnered encouraging market feedback. As we journey towards product development, these positive signals drive our momentum, affirming our path to crafting an innovative solution that resonates with the market's needs.





Core Blockchain Customization

Blockchain Loyalty System: A New Era of Transparency and Efficiency

Project Overview

A complex conglomerate with 2000+ companies spread across diverse industries—from finance and banking to aviation and retail. Their ambition? To unify customer loyalty rewards seamlessly across this vast network. With a vision to revolutionize loyalty programs, the challenge lay in establishing a secure, decentralized blockchain system.

Challenge

Uniting Rewards Across Industries

Challenges were abundant. The client sought a solution to consolidate loyalty rewards across their multifaceted business realm. The quest was to harness blockchain's power for a decentralized ledger—secure, transparent, and immutable. They meticulously sought expertise, recognizing the necessity of overcoming obstacles to ensure a flawless execution.

Solution

Strategic Approach

- **Requirement Gathering and Analysis:** Collaborate closely with stakeholders for tailored loyalty program understanding.
- **Agile Development:** Iterative, adaptable approach for continuous enhancements.
- **Testing & Assurance:** Rigorous tests ensure system functionality, security, and performance.
- **Deployment & Support:** Incremental deployment for seamless integration, accompanied by full support, maintenance and stakeholder training for successful adoption.

Pioneering Loyalty Transformation

When our paths converged, the client yearned for a revolution, not just a solution. Our entry into this ambitious venture wasn't just about offering a service—it was a commitment to redefine industry norms. Speed, expertise, and dedication to excellence were our hallmarks.

Solutions Provided

Tailoring Near blockchain framework into a private chain for conglomerate needs.

Building a Comprehensive Back Office System:

- Designing a user-friendly Blockchain Explorer for transparent transaction tracking and auditing.
- Secure wallet integration for loyalty rewards management.
- Establishment of an administrative network for overseeing operations.
- Integrating Grafana for real-time monitoring and analytics.

Building secure admin and end-user DEX for managing token liquidity, trades, and rewards within the conglomerate.

Implementing interoperability protocols for seamless data exchange between different blockchain networks.

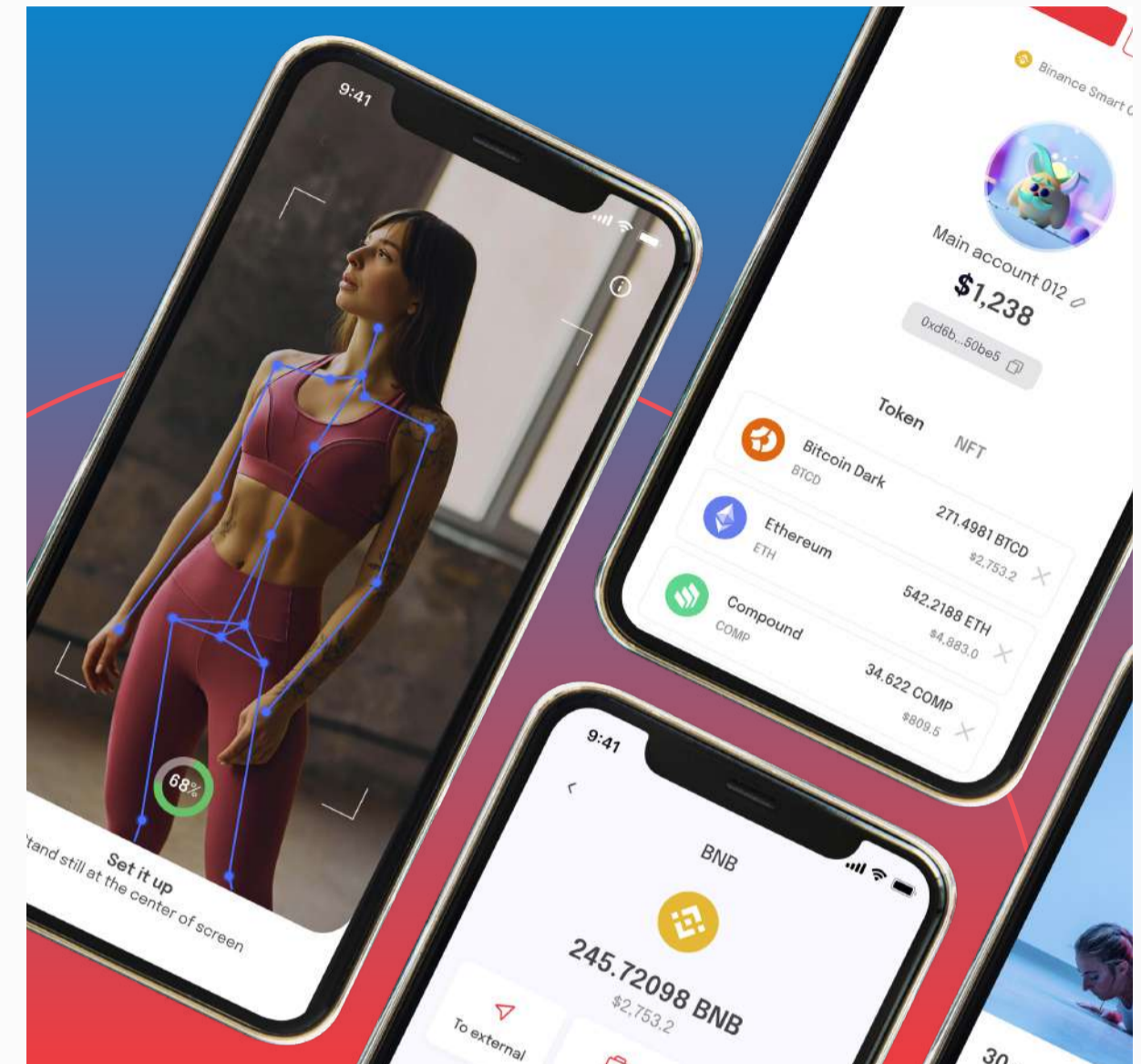
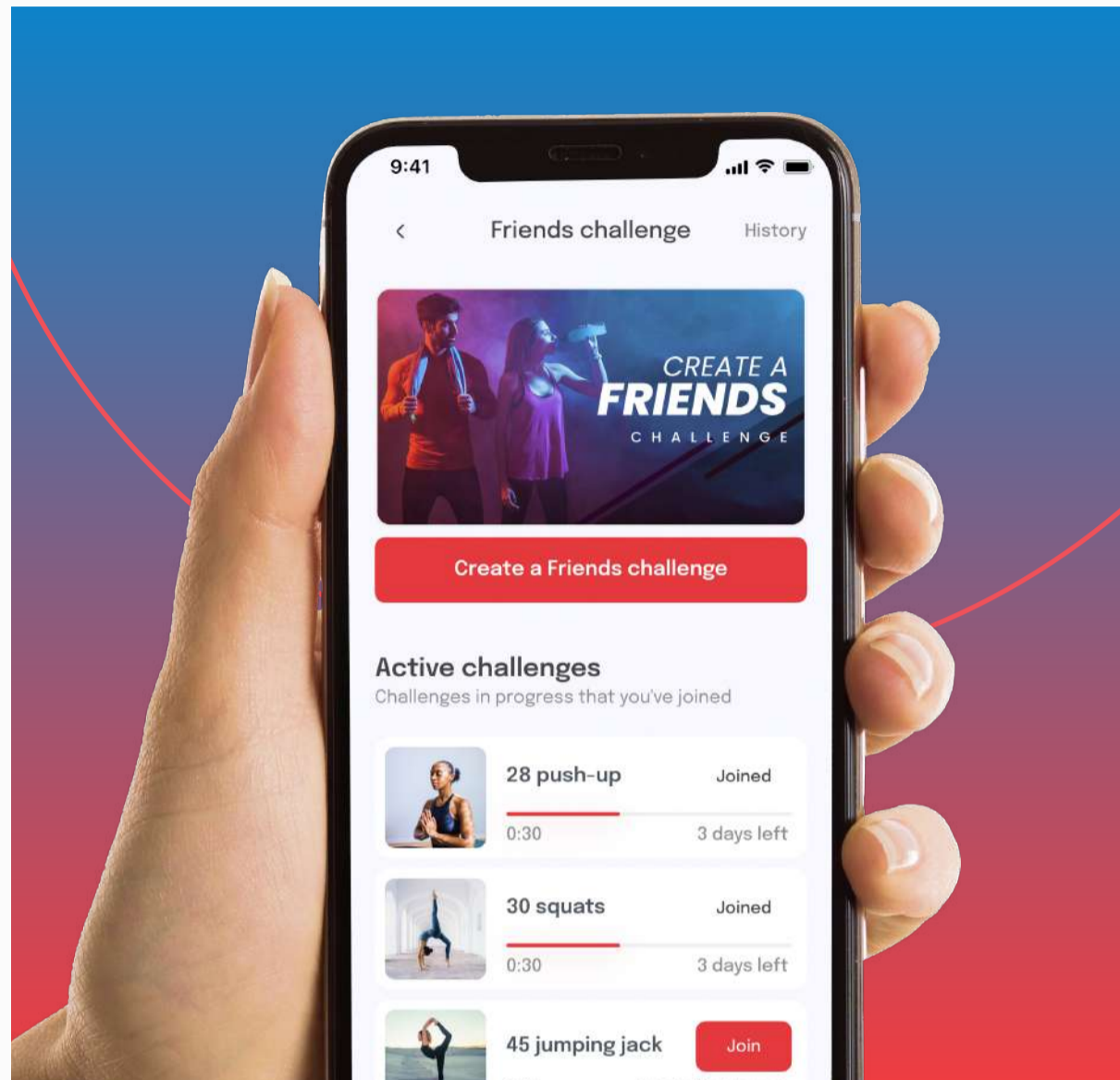
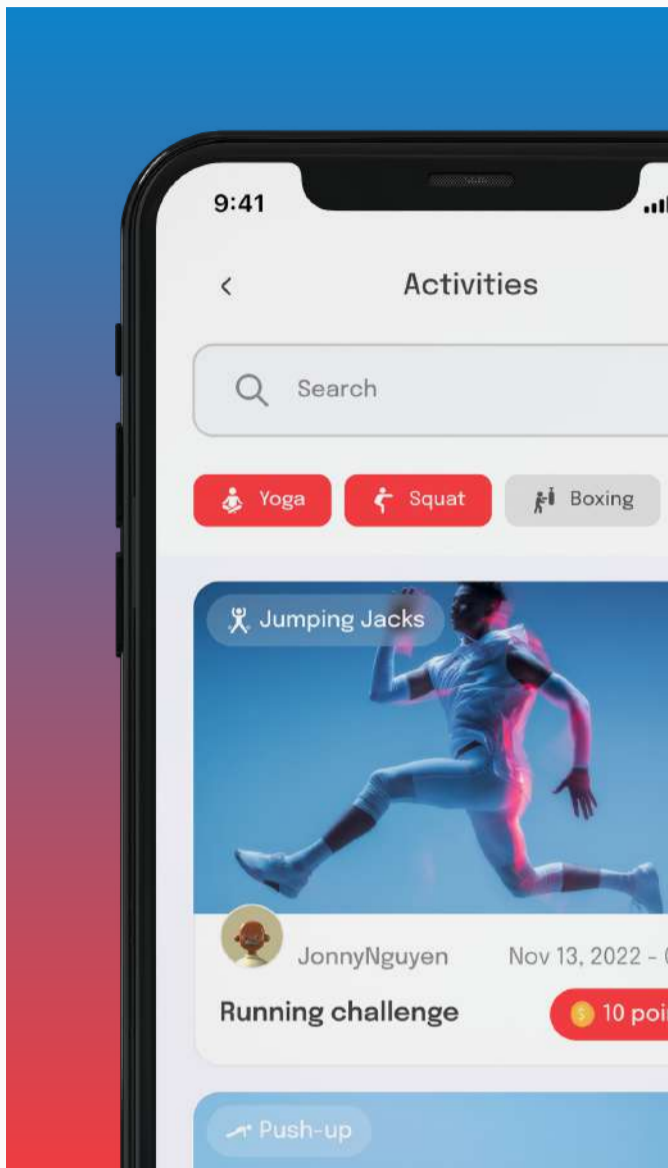
Results & Impacts

The outcome was beyond the ordinary. A decentralized ecosystem where customers seamlessly earned and redeemed rewards across industries. Transactions were recorded securely, transparently, and efficiently through blockchain technology. The satisfaction was captured in the client's words, echoing the groundbreaking nature of this transformation.

What's next?

Beyond this milestone, the journey persists. The foundation laid is a springboard for continual collaboration. Exploring further enhancements, nurturing the evolving digital landscape, and propelling the corporation digital transformation journey.





SportFi

CoralApp's Vision for Gamified Fitness & Wellness Activities

Project Overview

CoralApp stands as a beacon in the shift toward holistic health in the digital age. It champions control over personal health data and shatters norms by leveraging AI and blockchain for mental and physical well-being. From revolutionary games to community-driven innovations, CoralApp redefines health engagement.

Challenge

Teck Stack

Flutter, NodeJS

Project Completion Time

06 months of work

Team Structure

09 people worked

Bridging Digital Health and Personal Control

In a changing health landscape, individuals sought more profound connections with their well-being. Exploitative data practices and intrusive advertisements overshadowed health platforms, impeding authentic wellness journeys. CoralApp was "born" to bridge this gap, drawing on its pioneering approach to health data ownership and user-centric design.

CoralApp's Pivot Challenge

Navigating a pivot post-funding round, CoralApp faced a pivotal juncture. Feedback from investors and advisors prompted a significant shift in the product, driving a reevaluation of their initial vision. Synodus came in and tackled the task of revamping their tech set up to align with new goals and market expectations.

Solution

High-Level Approach

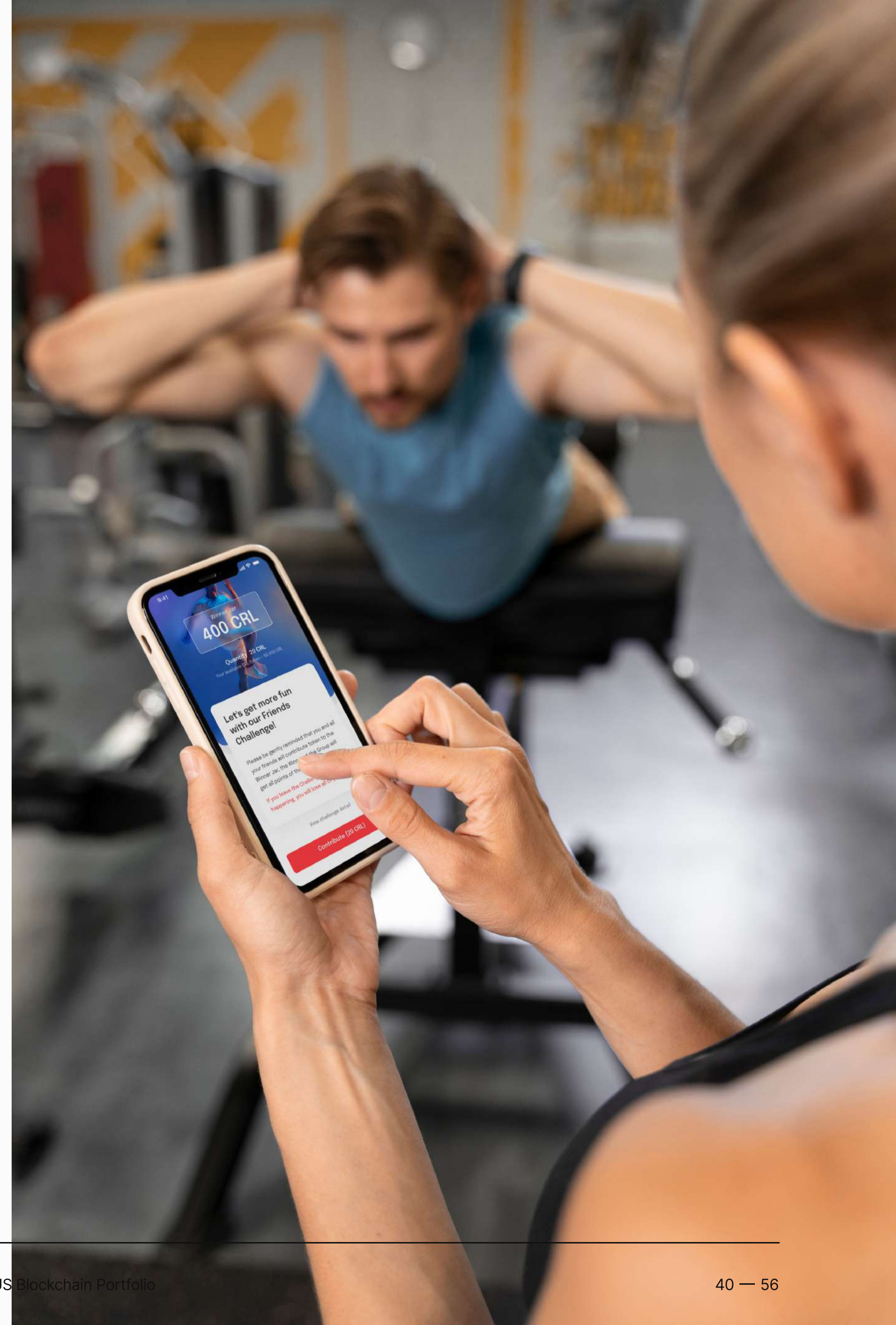
- **User-Centric Development:** Our journey began by deeply understanding the client's wellness aspirations. We collaborated closely, integrating their preferences into every technical facet.
- **Iterative Refinement:** Embracing feedback loops ensured constant improvement and alignment with their evolving needs, fostering a solution that truly resonated.

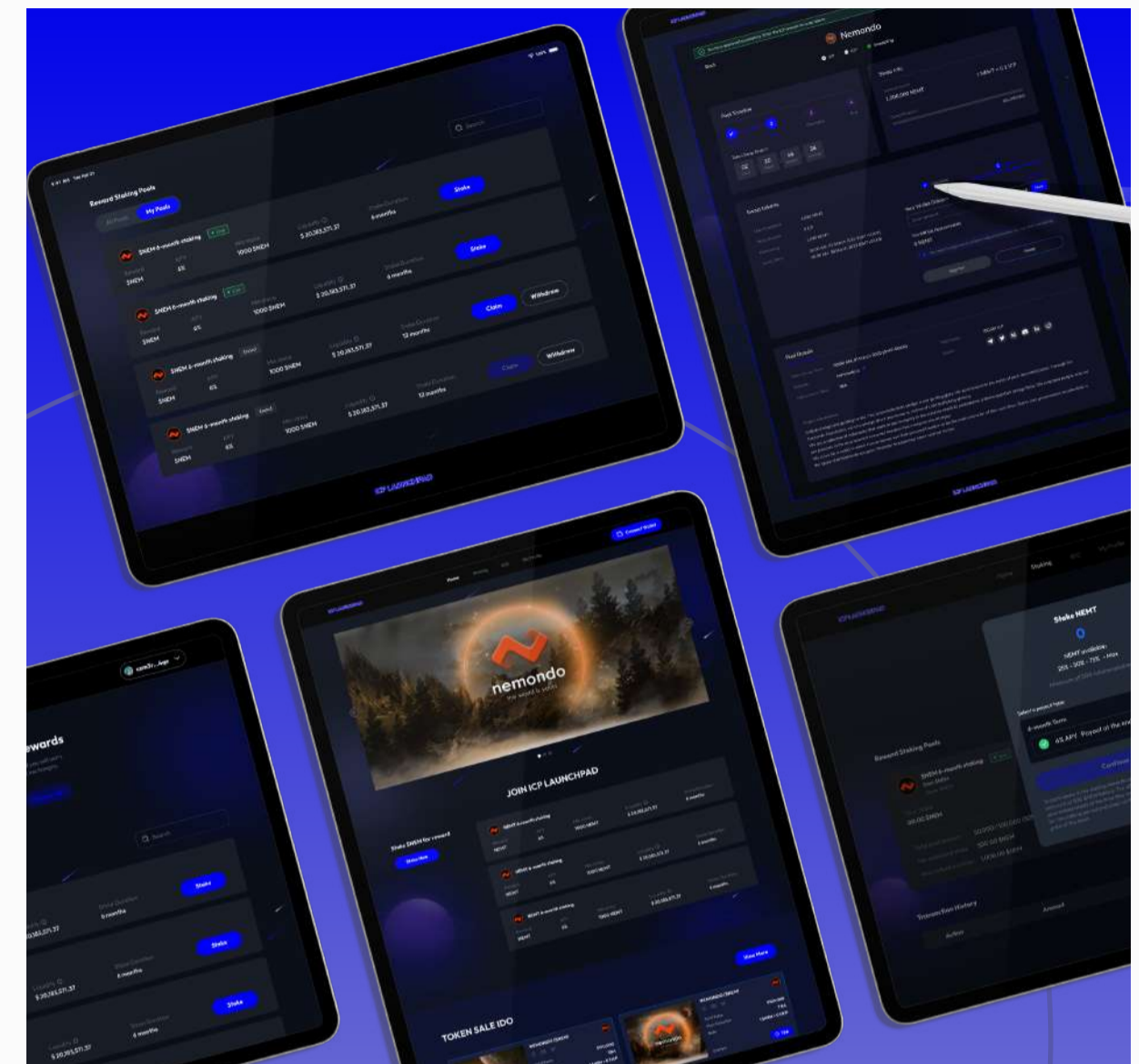
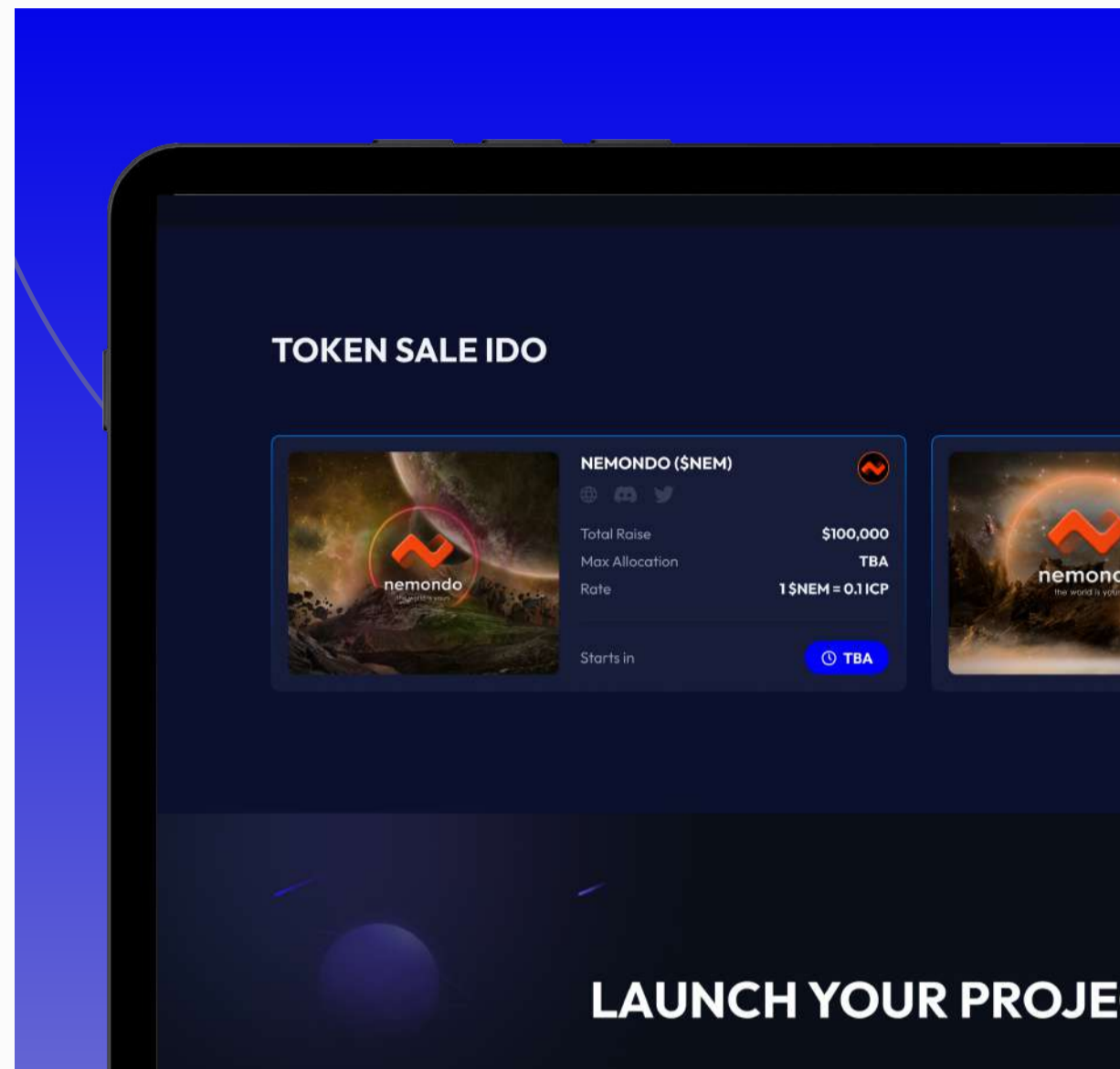
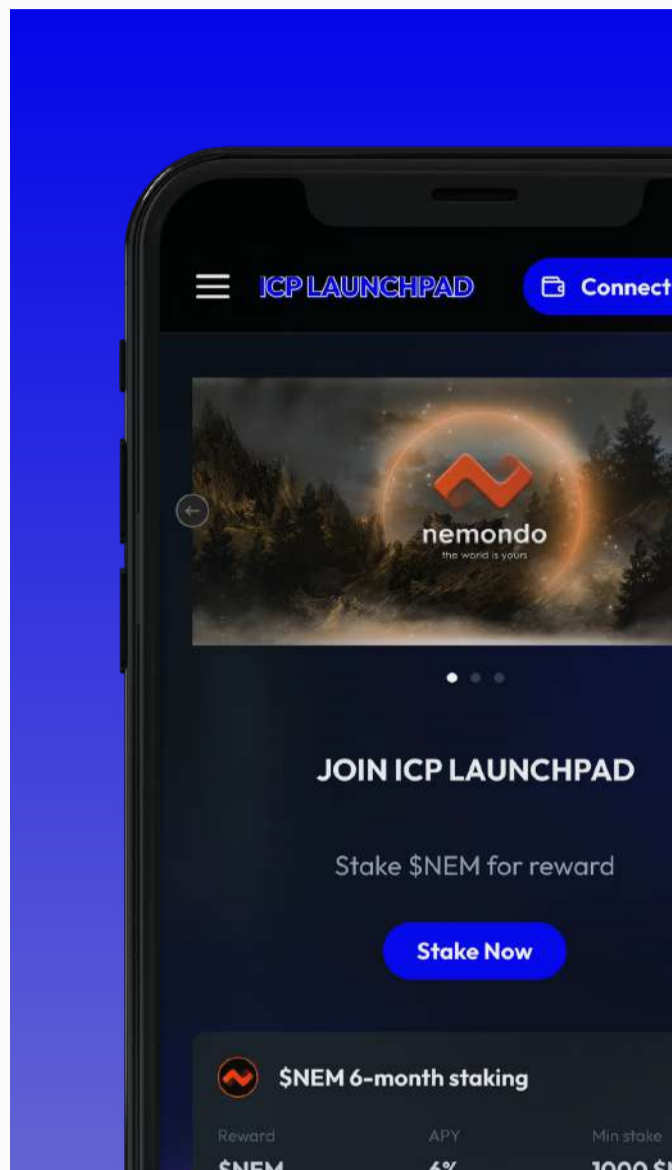
Solutions Provided

- **AI-Enabled Health Tracking:** Utilized AI algorithms, transforming phone cameras for easy vital health monitoring.
- **Blockchain Security:** Safeguarded user data ownership and privacy with blockchain, ensuring transparency.
- **Cross-Platform Accessibility:** Effortlessly operated on Android and iOS for universal user accessibility.
- **Personalized Privacy Controls:** Prioritized user privacy, granting complete data control.
- **Immersive User Engagement:** Provided real-time fitness feedback for motivating wellness journeys.
- **Flexible Blockchain Integration:** Seamlessly integrated multiple blockchain technologies for scalability.

Results & Impacts

The client's beta launch hit the mark, receiving stellar feedback from users and investors. The app's timely debut showcased our commitment to deadlines. End users praised its intuitive design and functionality, while investor enthusiasm validated its potential. This successful launch affirmed market acceptance, boosting client confidence and signaling a promising future. Momentum surged, setting the stage for ongoing advancements and a robust market presence.





Crowdfunding Platform

Overcoming the Uncharted: Navigating ICP Blockchain Challenges

Project Overview

Our journey with the decentralized crowdfunding platform began with a shared vision for a user-centric decentralized ecosystem within the ICP blockchain. The mission of this platform is to be the gateway for non-crypto native users to participate in the Web3 movement.

Teck Stack

Reactjs, Nodejs, ICP blockchain, AWS cloud, Motoko, ReactNative

Project Completion Time

06 months of work

Team Structure

05 people worked

Challenge

The client had a vision but required detailed clarity and consultation. ICP blockchain, while promising, was uncharted territory. Our senior engineers delved into the details, architecting a suitable technical roadmap, while our consultants conducted intensive research from various blockchain ecosystems. Drawing from our extensive experience in blockchain projects, we impressed the client and secured their trust.

Solution

Solution Approach

Design Thinking: We employed a design thinking process, allowing us to test and refine solutions that best matched the founder's requirements while ensuring an exceptional end-user experience.

360-Degree User Research: We created a comprehensive set of research documents, including Personas, Customer Journeys, UI Requirements, User Flows, Wireframes, Designs, and Prototypes. This visualized the customer base we serve and ensured that the user experience aligned with the project's vision.

Agile Delivery: Our agile approach ensured a swift learning curve, enabling us to master the technology and deliver the first-phase version within three months.

Solution Provided

Our technical expertise shines in the solution we delivered for the Crowdfunding Platform on ICP blockchain:

Modular Approach: We designed the platform with a modular architecture, ensuring flexibility and scalability to accommodate future enhancements.

ICO Integration: Seamlessly integrated Initial Coin Offering (ICO) functionality to facilitate fundraising for projects.

Launchpad Capabilities: Empowered startups and projects with a robust Launchpad for their token launches.

Staking Mechanism: Implemented a secure staking mechanism, enabling users to participate and earn rewards.

In-App Wallet: Developed a user-friendly in-app wallet for convenient management of digital assets.

Affiliate Program: Designed an efficient affiliate program to promote user engagement and growth.

NFT Marketplace: Created a marketplace for Non-Fungible Tokens (NFTs), expanding opportunities for unique digital assets.

Overcoming ICP Challenges: Conquered the challenges posed by ICP blockchain's unique architecture, programming language, and deployment methods.

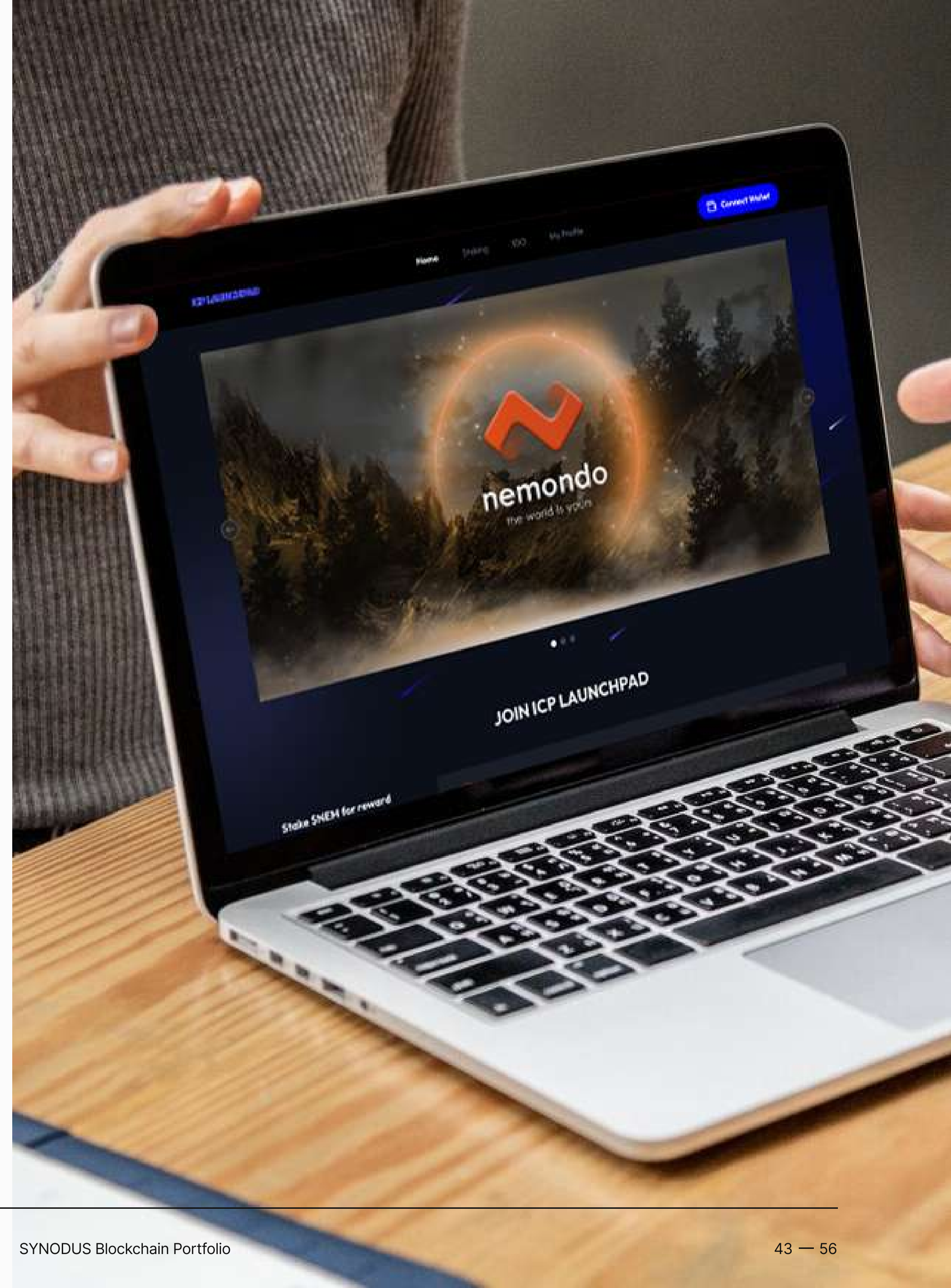
Results & Impacts

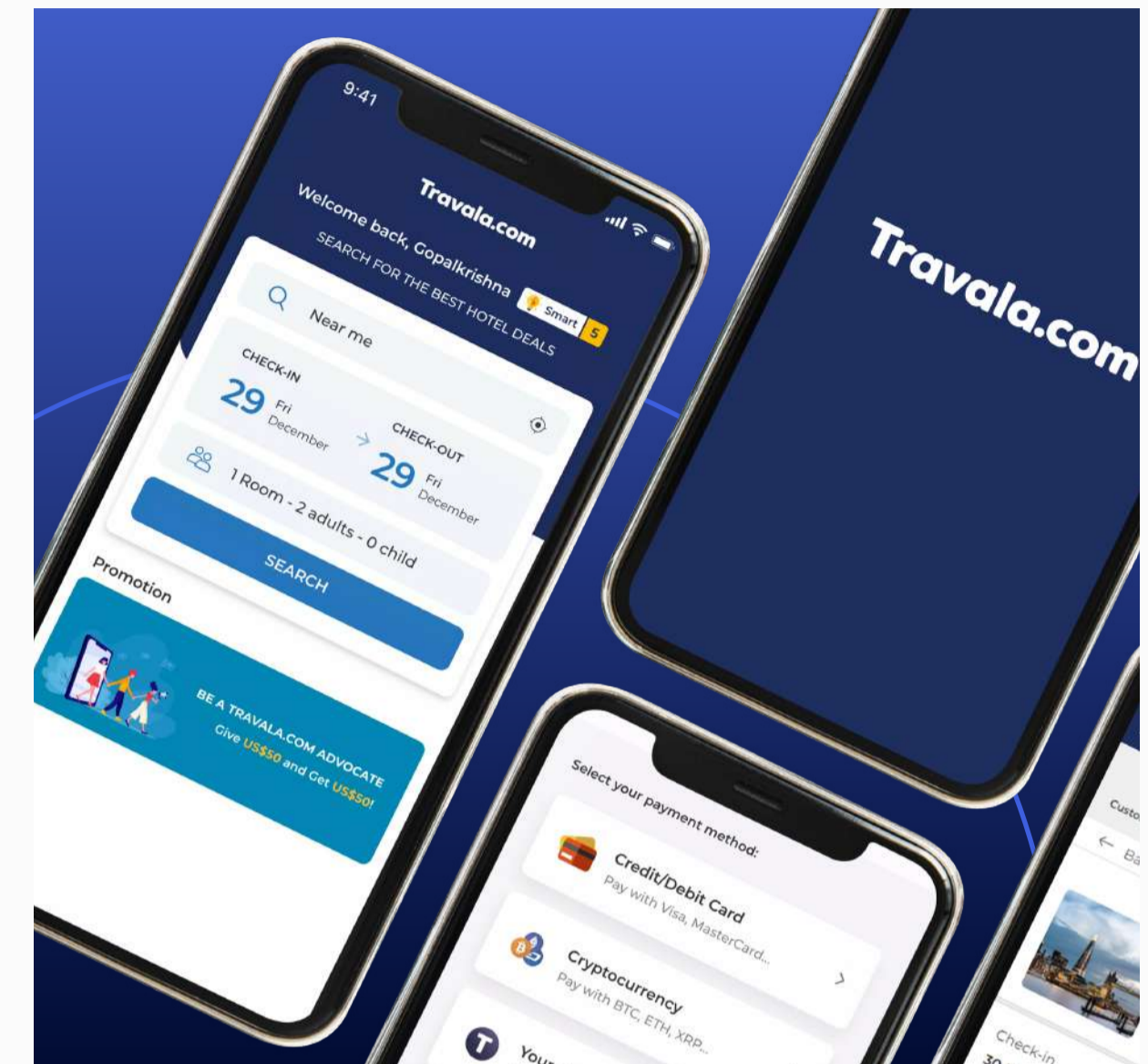
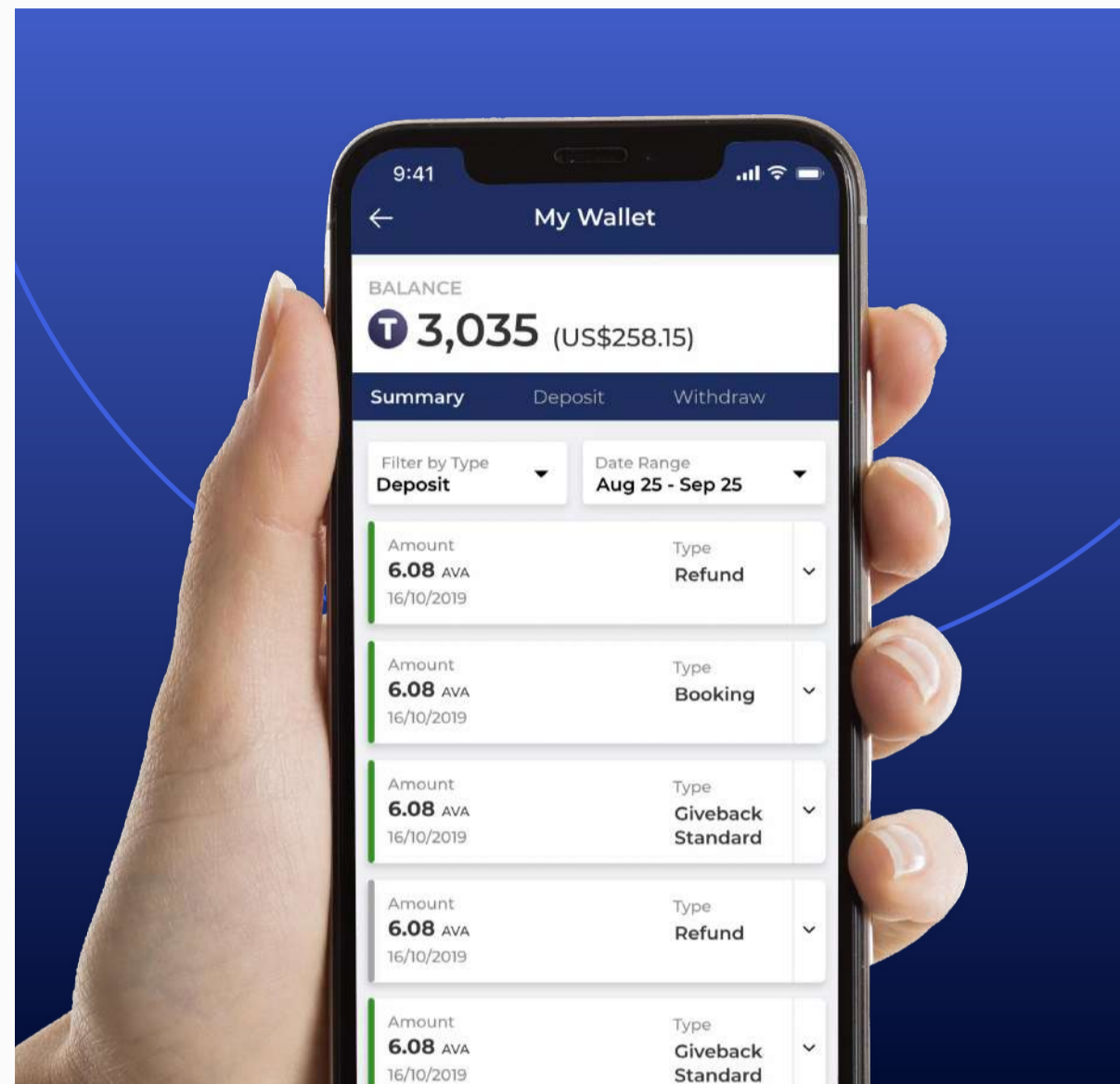
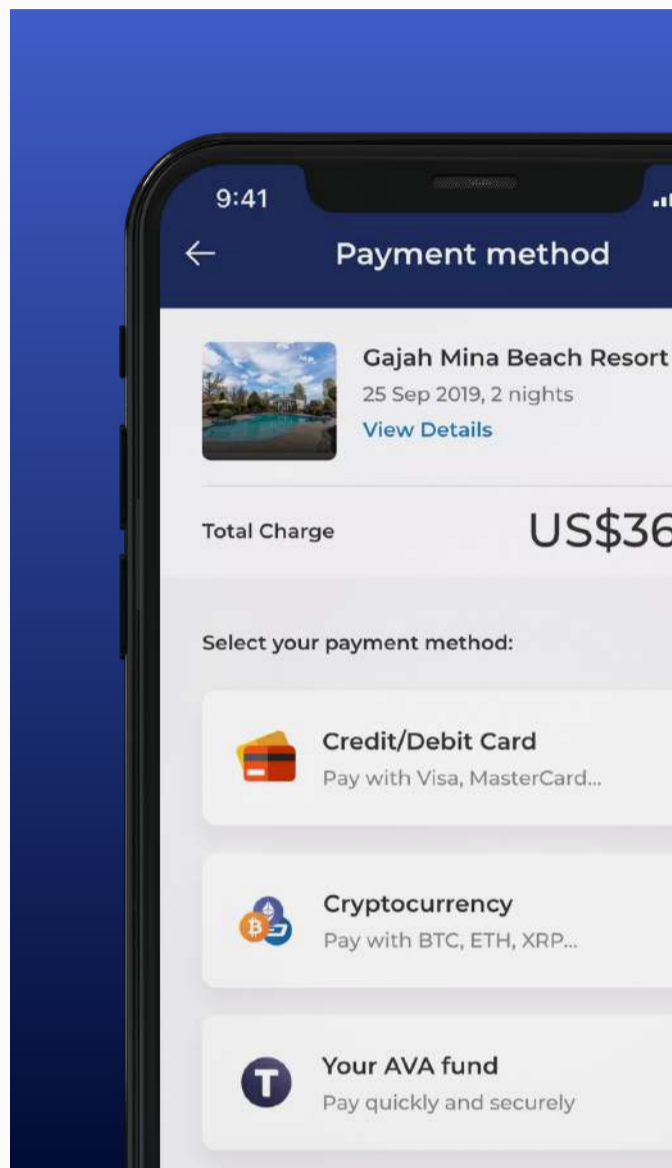
Initial triumph:

- ▶ The project secured over \$300,000 in seed funding.
- ▶ Five projects are now listed on the platform.

What's next?

Future Collaboration: The founder expresses confidence in our partnership and intends to explore further collaboration in their next initiatives. Our journey with the Crowdfunding Platform project has been a testament to our commitment to innovation and expertise in the fintech domain.





Online Travel Booking

Travala.com: From Seed Round to Market Leader

Project Overview

Travala.com has emerged as a disruptive force in travel booking, boasting 2.2 million properties across 230 countries and 600 airlines. Back from day one, they approached us, seeking not just a development team but a strategic technology partner to actualize their prototype vision and establish a sustainable in-house tech team.

Challenge

Innovation in a Rapidly Evolving Market

Travala.com, fresh from securing their seed funding, faced the challenge of translating prototype feedback into a robust, market-ready product. They sought a dedicated team with the expertise to nurture their vision, aiming to pioneer a blockchain-based OTA and confidently navigate the complexities of a dynamic industry.

Solution

Building a Revolution - Step by Step

- **Dedicated Team Formation:** We curated a dedicated, agile team tailored to Travala.com's needs, blending technical prowess with a deep understanding of the travel industry's intricacies.
- **Prototype Transformation:** Leveraging their prototype as a foundation, we meticulously crafted and refined the initial product version. Our focus was on scalability, security, and a user-centric design to ensure a seamless user experience.
- **Strategic Development:** Our team collaborated closely with Travala.com, aligning development milestones with their market strategies. This approach facilitated an accelerated timeline, surpassing initial expectations.

Empowering Visionaries, Accelerating Time-to-Market

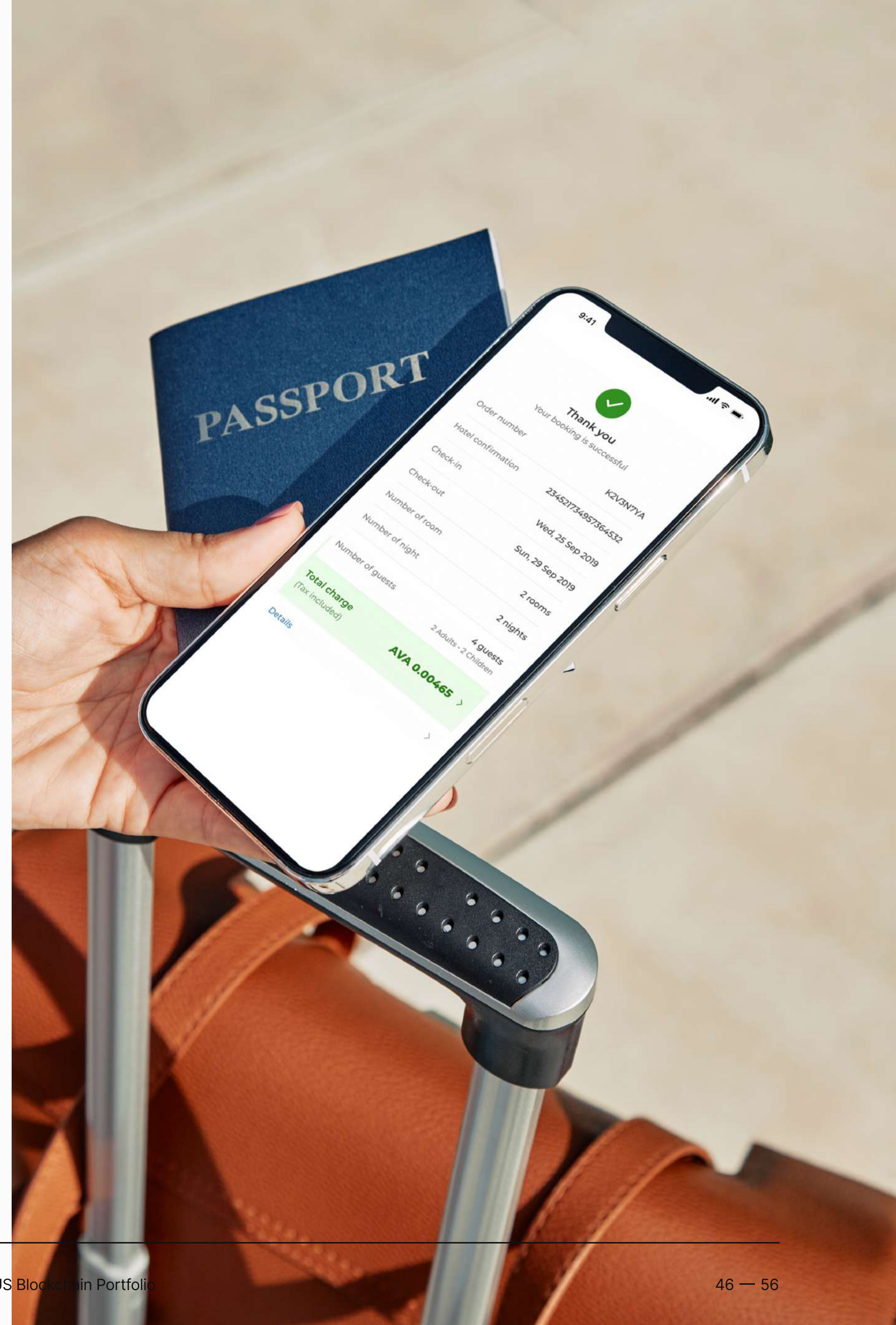
Our tailored approach ensured swift progress. With our dedicated team, Travala.com experienced accelerated development, surpassing their timeline expectations. Our partnership extended beyond mere development; it empowered them to claim the title of the world's first blockchain-based OTA agent, attracting unexpected engagement from the blockchain community.

Solution Provided

- **Blockchain Integration:** Implementing cutting-edge blockchain technology, we fortified their platform, laying the groundwork for them to emerge as the world's premier blockchain-based OTA agent.
- **Launch Acceleration:** Through streamlined processes and meticulous development, we expedited their product launch, catalyzing an unforeseen surge of interest and engagement within the blockchain community.
- **Empowering Vision:** Beyond development, our partnership empowered Travala.com to affirm their position as industry pioneers, poised to redefine the landscape of travel bookings through innovative technology and strategic vision.

Results & Impacts

Our collaborative efforts bore fruit sooner than anticipated, prompting Travalta.com to expedite their product launch. This strategic move ignited unparalleled interest from the blockchain community, solidifying Travalta.com's pioneering status and establishing a strong foothold as an industry leader.





Traceability System

Revolutionizing Agricultural Governance: Blockchain-Driven Fruit Traceability for Consumer Safety

Project Overview

In a pivotal move to safeguard consumer interests and fortify supply chain integrity, a local government authority entrusted us with a transformative task: implementing a Blockchain-based Fruit Traceability system. Amidst an economy reliant on agriculture and rural livelihoods, our mission was clear—to fortify consumer protection, stakeholder confidence, and preserve local trademarks.

Challenge

The Challenge Unveiled

Navigating through an economy deeply rooted in agriculture, the challenge lay in fortifying consumer trust while preserving the essence of local specialties. The local government sought a solution—Blockchain-based traceability—to ensure safety across the supply chain. Rigorous due diligence led them to seek a system capable of not just traceability but also mobile accessibility and promotional functionalities.

Solution

- **Blockchain-based Traceability:** Developed a robust system using Blockchain for fruit traceability.
- **Stamp Management & Tracking:** Implemented stamp generation, management, and tracking across the distribution chain.
- **Mobile Accessibility:** Created a user-friendly mobile app for consumers to scan stamps and access product history instantly.
- **Landing Page Promotion:** Designed a dedicated landing page to promote local specialties and boost economic growth.

Assured Benefits

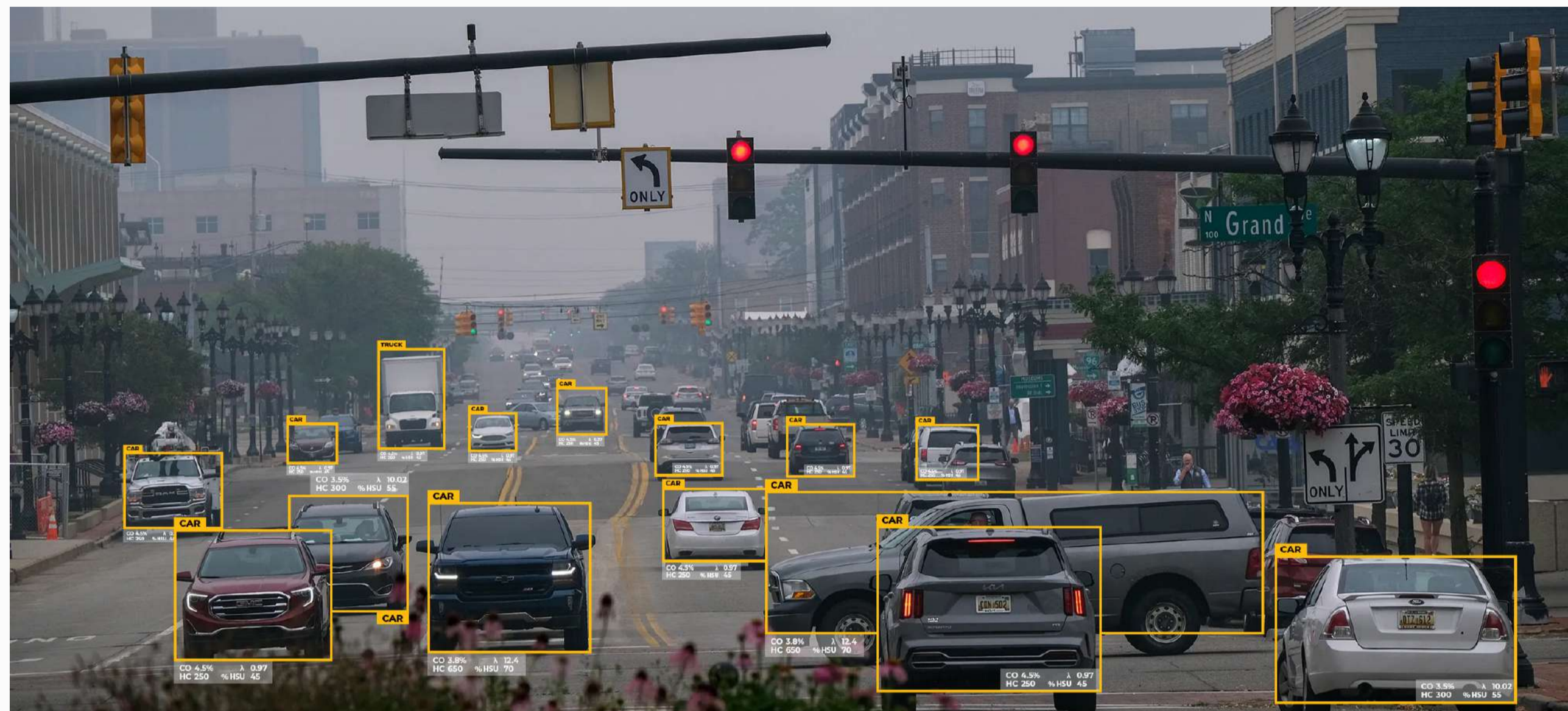
Our expertise and dedication shone through, offering not just a solution but a gateway to efficiency and safety. With an unparalleled understanding of Blockchain and supply chain intricacies, we promised a system that guaranteed data security, traceability, and promotion of local specialties. Awards and accolades for our adeptness in such technological implementations further bolstered the assurance of superior outcomes.

- **Technical Proficiency:** Showcased expertise in Blockchain integration, supply chain logistics, and consumer-focused app development.
- **Collaborative Approach:** Worked closely with the local government for alignment and regulatory compliance.
- **Security & Reliability:** Ensured data security and system reliability, fortifying trust and trademark integrity.
- **Comprehensive Solution:** Offered an end-to-end solution encompassing traceability, accessibility, and promotion for consumer safety and economic advancement.

Results & Impacts

With the system in place, consumer confidence soared as stakeholders across the supply chain gained unprecedented transparency. Our client proudly bolstered their commitment to consumer safety, witnessed by a surge in trust and loyalty among consumers. A testament to success, our client's local trademarks gained prominence, fostering community pride and economic empowerment.





Blockchain-based Data Management

Vehicle Operations & Emission Analysis System

Project Overview

A Danish startup set out on an ambitious mission to transform vehicle operation data. Faced with a vast network of 300,000 digital tachographs transmitting data every five minutes, their objective was to develop a blockchain-powered data management system and a cloud-based application accessible across devices.

Challenge

Data Management Amidst IoT Onslaught

Before selecting our solution, the startup faced the daunting task of managing a vast volume of real-time data from 300,000 tachographs. The challenge lay in ingesting, recording, and organizing this influx of information while ensuring high availability and seamless accessibility across devices. Their due diligence sought a partner capable of handling the complexity of integrating IoT devices with real-time, unstructured data.

Passion and Precision Seal the Partnership

During that time, despite being a small team, our fervor for leveraging blockchain applications to tackle real-world challenges stood out. What drew them to us? It was a combination of factors: our technical proposal perfectly syncing with the startup's requirements was a strong start. But it was more than that. The shared mindset and passion we held for the project, coupled with a more favorable quotation, sealed the deal.

Solution

Navigating Complexity with Blockchain

Let's dive into how our expertise unfolded for the client:

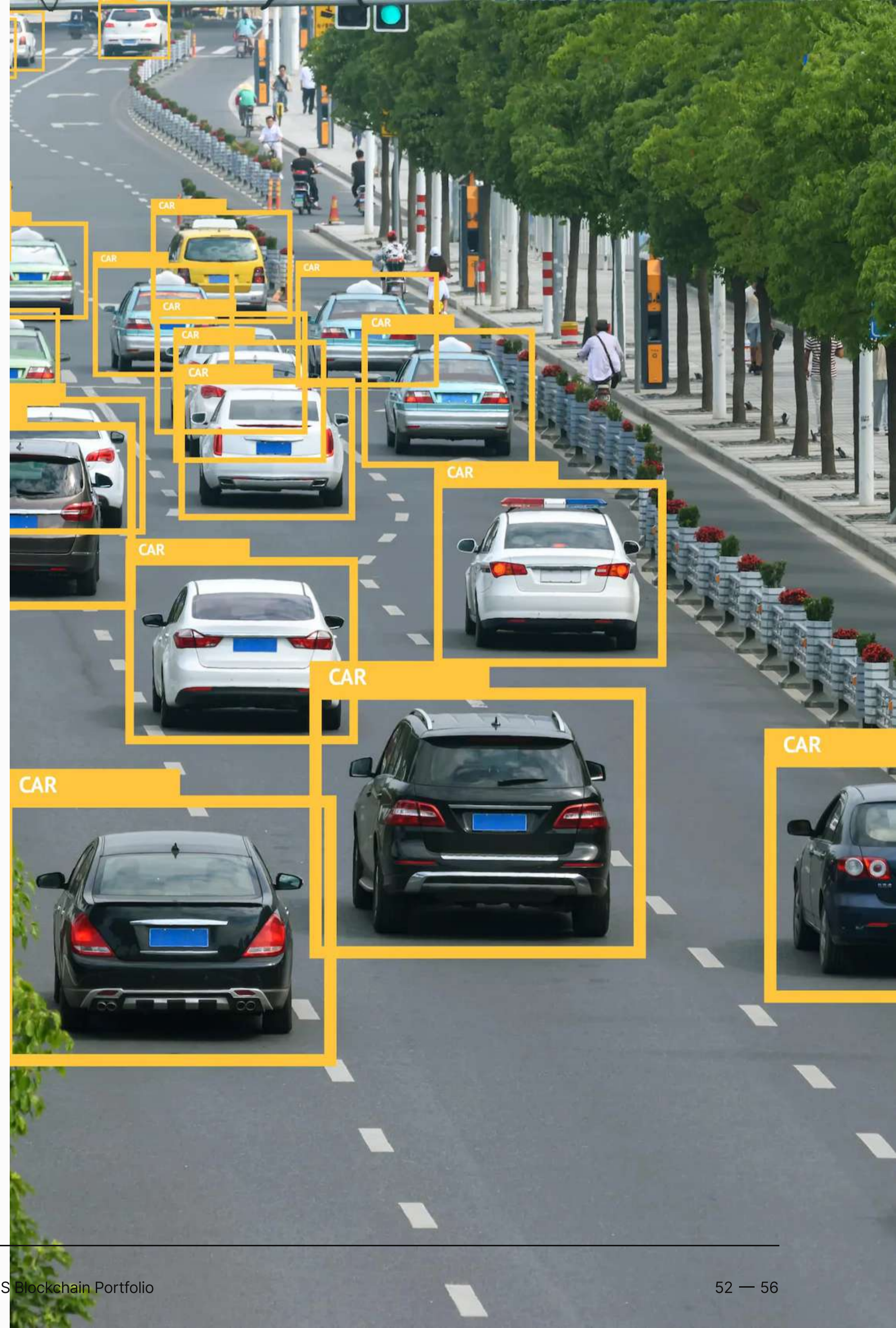
- **Blockchain-Powered Data Management:** Leveraged blockchain technology to securely record and manage real-time data from 300,000 digital tachographs.
- **Cloud-Based Platform Development:** Engineered a user-friendly, cloud-based application accessible across devices for seamless data interaction.
- **IoT Integration Mastery:** Expertly integrated a massive network of IoT devices, ensuring efficient data ingestion and recording.

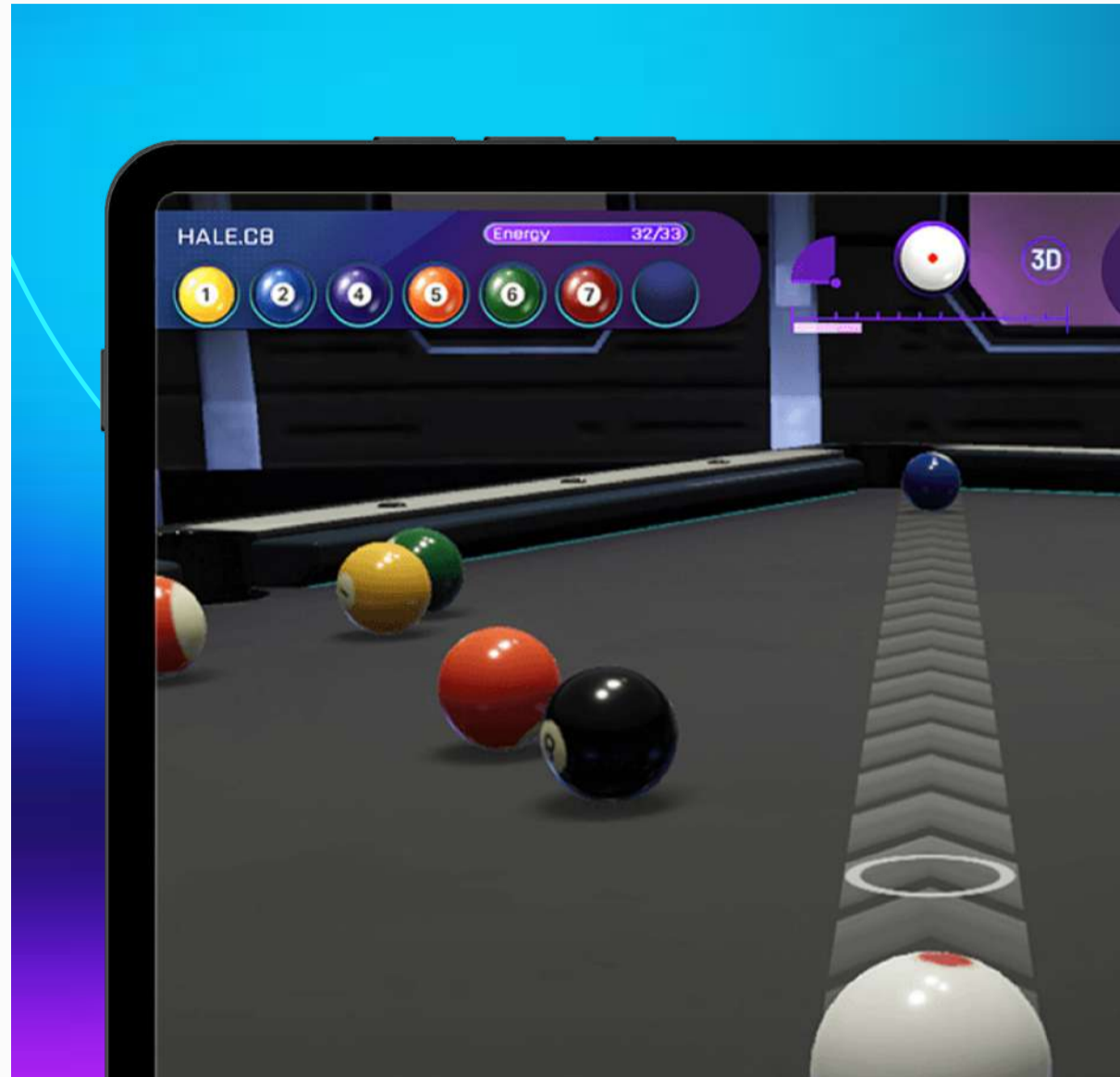
- **High Availability Assurance:** Delivered a system boasting an uptime of 99.99%, guaranteeing round-the-clock accessibility to critical data.
- **Tailored User Interface:** Designed an intuitive interface for desktop, tablet, and mobile, ensuring effortless management of extensive data streams.
- **Real-Time Analysis Facilitation:** Enabled the client to conduct real-time analysis and share vehicle operation data securely with the public.

Results & Impacts

The platform efficiently ingested, recorded, and organized data from the 300,000 tachographs, ensuring real-time analysis and access.

Our solution not only met but exceeded expectations, enabling the startup to manage and share vehicle operation data seamlessly with the public.





GameFi
Cyberium

Project Overview

Cyber8, a veteran game studio, sought to transcend traditional gaming boundaries. Enterprising in the realm of blockchain technology, they envisioned an immersive 3D sports experience. With our expertise, Cyber8 catapulted from conventional gaming to a metaverse where users not only play but immerse themselves in a futuristic entertainment world.

Challenge

The Quest for Seamless Transition

Cyber8 embarked on a transformative journey, migrating their flagship profitable game into the Metaverse. Their challenge lay in blending their expertise in traditional gaming with the complexities of the Metaverse. Entrusting us, Cyber8 sought a seamless transition while ensuring performance, security, and streamlined management within the evolving metaverse landscape.

Solution

A Breakdown of Our Work for Cyber8

- **Crafting Immersive Gaming:** Developed a captivating 3D Pool Spot game aligned with the Free-2-play & Play-2-earn model, offering users an engaging and rewarding gaming experience from Cyber8's vision.
- **NFT Marketplace Engineering:** Engineered a bespoke NFT Marketplace, empowering users to seamlessly trade, purchase, and interact with unique in-game assets, enhancing the gaming ecosystem's value.
- **Interoperability Solution Design:** Orchestrated a seamless bridge between Blockchain NFTs, tokens, and in-game assets. This innovative solution fostered a cohesive gaming experience, enabling effortless interaction and utilization of digital assets.

Building the Future with Synodus

Boasting a stronghold in the Metaverse since 2016, we brought invaluable expertise to the table. Our offerings spanned Metaverse consulting, digital asset development, NFT marketplace engineering, crypto infrastructure, and seamless application integration. Cyber8 envisioned a chill-and-earn NFT sport gaming experience, and we stood ready to turn their vision into reality.

- **Optimized Performance for Gacha Events:** Devised a custom solution for handling vast data submissions during Gacha Events, ensuring uninterrupted performance and user engagement.
- **Fortified Security Measures:** Implemented smart contract-based verifications to uphold the integrity of Gacha Boxes, preventing unauthorized access and ensuring data consistency.
- **Streamlined Token Management:** Constructed a Smart Contract system for efficient token deposit/withdrawal management, incorporating multiple approval tiers for enhanced security and control.

Results & Impacts

Our client's testimonial exemplifies our unwavering commitment to delivering successful products with utmost dedication and excellence.



Proactive, devoted, and hardworking.

When accompanying Synodus, we have shorted not only the time to deliver the project but the time to launch MVP also. They worked really hard to meet our requirements and also paid attention to details to deliver expected results.



James Vương
CEO Cyber8



We're excited to have you as our **new partners**

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