



NFT Story Cards



NFT + Digital Art + Adventure = A new kind of Story Card

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About WEBMOB

Webmob has emerged as a service delivery pioneer in this dynamic Fintech industry. Served a legion of lauded clients in Europe & the Middle East.

With AI, ML-powered, Cloud-native, and Blockchain in our stack, Webmob provides cutting-edge solutions to fulfill the customer's advanced & disruptive requirements.

Particularly for the FINTECH industry, Webmob offers unparalleled robust solutions in Trade Finance, Money Market, Fiduciary, Commercial Real Estate Loan Tokenization and NFT Marketplaces on top Blockchains.

Webmob is as of today armed with a fully equipped R&D lab Aka WikiDLT.com, constituting Certified professionals specifically to explore new possibilities for Innovative Blockchain implementations



Overview

More than \$2 billion was spent on non-fungible tokens, or NFTs, during the first quarter of 2021 — representing an increase of about 2,100% from Q4 2020. The Non-Fungible Token (NFT) is a trending platform globally, and millions of users have moved forward in gaining some exposure in the trade market.

The NFT Marketplace solutions bring users a mind-blowing platform to buy and sell their NFTs. The NFT growth is estimated to rise by 100% more in 2021 than the previous year, and its value has never fluctuated with significant differences in the marketplace.

What are Story Cards?

NFT Story Cards are a unique digital collectible card that utilizes the WAX Blockchain to not only prove one's ownership of their story, but also enables them access into new parts and paths. The owner can choose his preference for an "Adventure" as he goes through different adventures with these cards!

The platform allows to be one of those people who own rare items because apart from being able to show off their awesome collection at home or on social media (depending if that's what one likes), there is real value here - literally



money in numbers stored securely behind encryption so no one will be able to snatch up all our valuable memories without consequence except losing out altogether - which seems worse when it's something intangible

Business Need

A story portal where users can only read stories if they have owned the NFT is associated with that story on the WAX blockchain.

Our Solution

Created a bridge to fetch user owned NFT's on WAX Blockchain

Benefits

- NFT utilization in real world
- Every story on the portal is secured and no user can claim direct access without the associated ownership of NFT for a story card.



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Technology

The solution is created over the MERN stack

- Back-End: NodeJs - JavaScript is like a Swiss knife for web apps. It can be used to write front-end or back-end (thanks to NodeJS) without hesitation and it has an ever-increasing thriving community that translates into almost anything you want whether its integration, tooling/libraries.

- Front-end: ReactJs - The most mature front-end tools in terms of Features and Active Community support. Offers a component-based system which results in fast development. React is also very flexible for state management, routing, or caching.

- Database: MongoDB Atlas - The source-available cross-platform document-oriented NoSQL database program MongoDB is an excellent choice of software for the job at hand!

- Framework: ExpressJS - JavaScript offers NodeJS with framework such as ExpressJS to enforces better code structure and maintainability.

- WAX Cloud Wallet Integration: It allows users to easily interact with the WAX blockchain and DApps built on it. Users won't need to manage Private Keys, unless needed. The WAX Cloud Wallet protects user's credentials and digital assets.

- Atomic Assets API Integration: Wax Atomic Assets API provides a bunch of options to access Assets-related information on AtomicHub.

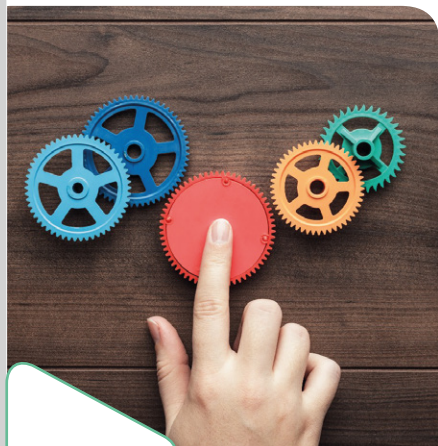


Solutions

Webmob Software Solutions leveraged cutting-edge technologies to transform the visions of the client into reality.

The Case study outlines the approach of the Webmob team conceptualizing NFT Story Cards.

- 01 Implemented WAX cloud login on the client portal, built a bridge in to fetch user owned NFT's on WAX.
- 02 Routes were created for Admin who can Add New, Edit or Delete stories. At the time of creating a Story Card, the Admin has to add the associated NFT ID for that card.
- 03 When a user clicks on a view story, an algorithm is executed to check users who own NFT on WAX and verify that the user has the associated NFT.
- 04 If users don't own any associated NFT for that story then he's redirected so they can buy that NFT, which once bought, the story will then be visible for that user.



Challenges

1. Creating a bridge with AtomicHub to get user owned Assets. Solved it by using WAX Cloud wallet and Atomic Asset API integration.
2. Verifying the required Assets. Fetched the user's assets and the required assets at the same time using Atomic Assets API and created a solution at the backend.
3. Creating secure login. Integrated WAX Cloud Wallet to log in to the app, added another level of security by implementing authentication libraries provided by EOS. Faced a showstopper at this implementation of the UAL library due to its lack of available documentation, however, were able to successfully implement it with very few resources.