CRONOS NFT Marketplace

A Marketplace for NFT's built on Cronos Blockchain

Webmob Software Solutions

About WEBMOB

Webmob has emerged as a service delivery pioneer in this dynamic Fintech industry. Served a legion of laurelled 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 weaponed with a fully equipped R&D lab Aka WikiDLT.com, constituting Certified professionals specifically to explore new possibilities for Innovative Blockchain implementations worldwide.

Overview

Non-fungible tokens (NFTs) have exploded in popularity in the last year. Digital art given value on crypto blockchains have certainly benefited a great number of crypto lovers. The power to buy, stake, and sell for real payoff has become a trend like no other.

NFTs on their own weren't the only reason for their success. Development teams saw an opportunity to create NFT Marketplaces to make things easier for the average creator and investor to engage in the NFT world.

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.

Non-fungible tokens (NFTs) are digital assets on a blockchain that can be uniquely identified. This includes things like art, sports cards and games music videos etc., where each individual unit has its own properties which cannot be changed or altered in any way to make them different from one another - this makes it possible for users who don't know much about cryptocurrencies yet still want access these cool projects easier by simply collecting NFT's instead!

With NFTs, this natural process of collecting has become digitized. The result is an opportunity for artists to prove ownership and authenticity in ways that were impossible before with just their work alone; but now there's also a way connect directly with audiences without the middle man!

The difference between NFTs and other tokens (Bitcoin, Ethereum) is that they're non-fungible. This means unlike a dollar bill or even bitcoin which can be identical to another one from the same series as long as it has markings on them to identify their authenticity; each individual token has identifying information making sure everyone knows exactly what one owns!

Business Need

An 'Opensea' like NFT marketplace. Users can mint their own NFTs' and add it to the marketplace.

Our Solution

Created NFT smart contract with NFT Buy functionality on CRONOS Blockchain and integration with the Metamask Wallet.

Benefits

- Utilizes a Proof-of-Authority (PoA) consensus mechanism and is EVM-compatible.
- Allows for the easy porting of applications from Ethereum and supports the Inter Blockchain Communications (IBC) protocol.

CRONOS NFT Marketplace

A Marketplace for NFT's built on Cronos Blockchain

Webmob Software Solutions

BESTECH BUSINESS TOWER, SUITE NO 829, SECTOR – 66, MOHALI, PUNJAB 160066

+91 9914919091
www.webmobinfo.ch
Nitin Gupta - Founder & CEO

Technology

Solution 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 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.

- Pinata: Used to store NFT Metadata to IPFS. Its friendly user interface combined with IPFS API makes Pinata convenient for IPFS pinning.

- Web3.js: Enabled developing clients that could interact with the Ethereum Blockchain and all Ethereum layer 2 blockchains.

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 Cronos NFT Marketplace.

01 Created a NFT Smart Contract with NFT BUY functionality and added Royalty to Admin on NFT purchase.

02 Users must create an account and connect to Cronos account i.e. the Metamask Wallet and can then mint their NFT. Implemented Pinata to store the NFT Metadata.

03 User's profile section is created where a user can view their owned NFT's or the ones bought. NFT purchase can be initiated from the frontend.

About CRONOS

The most popular NFT Marketplace, OpenSea, has prompted other NFT Marketplaces to join the competition adding value on other blockchains. Cronos, a newly launched blockchain,

Cronos is built on the Cosmos SDK and utilizes a Proof-of-Authority (PoA) consensus mechanism. Being EVM-compatible, it allows for the easy porting of applications from Ethereum. It also supports the Inter Blockchain Communications (IBC) protocol, which provides a bridge to the Cosmos ecosystem.