

Smart Contract for Solana based NFT Marketplace on Ether Blockchain



Sub: Smart Contract for Solana based NFT marketplace on Ether Blockchain

Dear Sir,

Thanks for considering Reliwell Technologies for Smart Contract for Solana based NFT marketplace on Ether Blockchain

. As per your requirement, shared Information and our discussion, we would like to propose a best suited proposal for your requirement of Software Development.

We will be glad if you please review the proposal and if have any question then feel free writing us back through email or phone mentioned below.

Yours Truly,
Reliwell Technologies



About Reliwell Technologies

Reliwell Technologies specializes in ecommerce App development, Web Software, CRM, Mobile Application Development, Application Designing and Application Development services. We are a fast growing digital agency which understands designs and deliver services to our clients up to their satisfaction.

Introduction

An army of creative thinkers, who spend a disproportionate amount of our time on digital and technology. We have a young team from diverse backgrounds. Building brands through their use of the digital and tech economy is what makes us tick.

Service Offering

We offer services in the areas of strategy, design, marketing & development; Reliwell Technologies continues to work with brands that want solutions born from collaboration, research and creativity. With office Delhi / NCR, Reliwell Technologies finds itself working with brands and companies all over the World.

Team

We are a collective of passionate entrepreneurs that believe marketing and technology co-exist only to provide a balanced solution for the challenge at hand. A well-rounded, accomplished digital marketing expert team to lead and execute game-changing online marketing campaigns. Limitless imagination, uncanny perception with a polished image and impressive work ethic delivers uncommon results.

Design Standard: -

Contrary to the general perception designing mobile application is much more than just putting in good looking graphics and flash components. It requires much expertise to able it to run smoothly. We ensure that by:

- Initialization/Startup will be followed by Eye
- Catching Animation, Containing your Brand name.
- Designing the website to make sure that the app
- Screens will appear without Horizontal scroll bar in all resolutions.
- Designing would be in Photoshop.
- The website would be compatible with all mobiles phones and Tablets.

Testing Standards: -

We make sure each of our services undergoes rigorous testing so that it becomes 100% free of bugs. All the standard methods of white and Black box testing is in place to achieve this feat. We:

- Prepare the test cases based on design and functionality.
- Ensure a cosmetic bug test before delivery.
- Test the embedded links exhaustively to make sure no errors are there.
- Validate all mobile application

Dedicated Team: -

- Project Manager
- Sr. Software Developer
- Web Designer
- Android Developer
- IOS developer

1. Terminology

Throughout the document, the *Vendee* shall mean “**XYZ**” and the *Vendor* shall mean “Reliwell Technologies”

2. Scope of Work

Scope of work includes designing and development of website & web application for the **XYZ**. All the offerings are service based and the *Vendor* shall not provide any equipment/hardware.

3. Package Details

Package shall include following web based application modules:

4. PROPOSED SYSTEM: Smart Contract for NFT Market Place on Ether Blockchain

These are some basic steps to Create NFT Marketplace

- Selecting the Right Blockchain.
- Interoperable Wallet selection.
- Identifying the Right audiences.
- Specifying operational domains.
- Define categories and listing.
- Choose the base Tokens.
- Stats and Notification Setting up to a platform.

1) Contract: Solidity

- Company Contract
- Store Contract (NFT)
 - ✓ Install CLI Tool
 - ✓ Set the network
 - ✓ Add / Get Gas

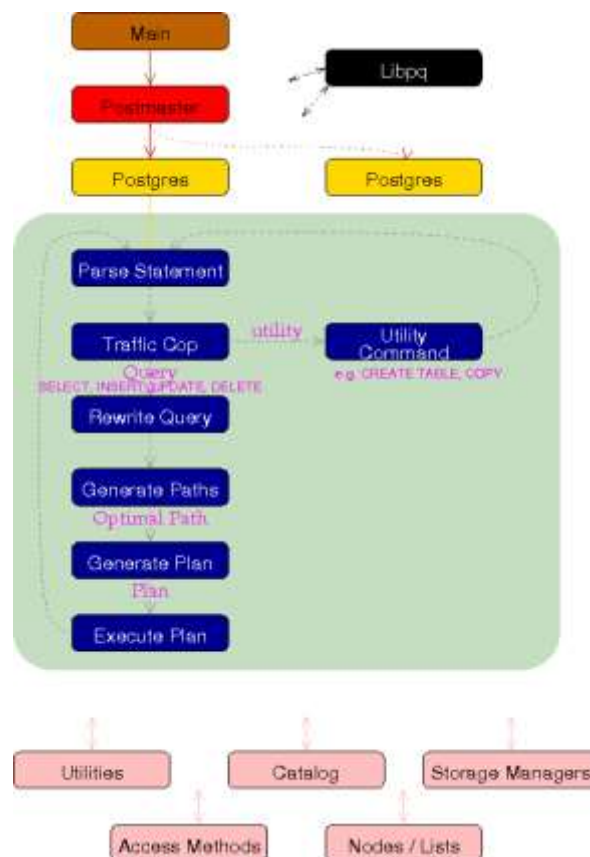
2) Frontend for website

- Angular 8.0
 - ✓ **Angular** is considered a frontend framework. Its capabilities do not include any of the features that you will find in a backend language. Angular 4 is front-end framework Powered by Google, it helps a lot in making fastest single page application and works 100% perfect.

- **Web3** applications either run on blockchains, decentralized networks of many peer to peer nodes (servers), or a combination of the two that forms a cryptoeconomic protocol and also enhances. web3 is:
 - ✓ *Verifiable*
 - ✓ *Trustless*
 - ✓ *Self-governing*
 - ✓ *Permissionless*
 - ✓ *Distributed and robust*
 - ✓ *Stateful*
 - ✓ *Native built-in payments*

3) Backend

- IPFS using Node.js
 - ✓ IPFS (the Inter-Planetary File System) is a new hypermedia distribution protocol, addressed by content and identities. IPFS enables the creation of completely distributed applications. It aims to make the web faster, safer, and more open.
- Postgre SQL

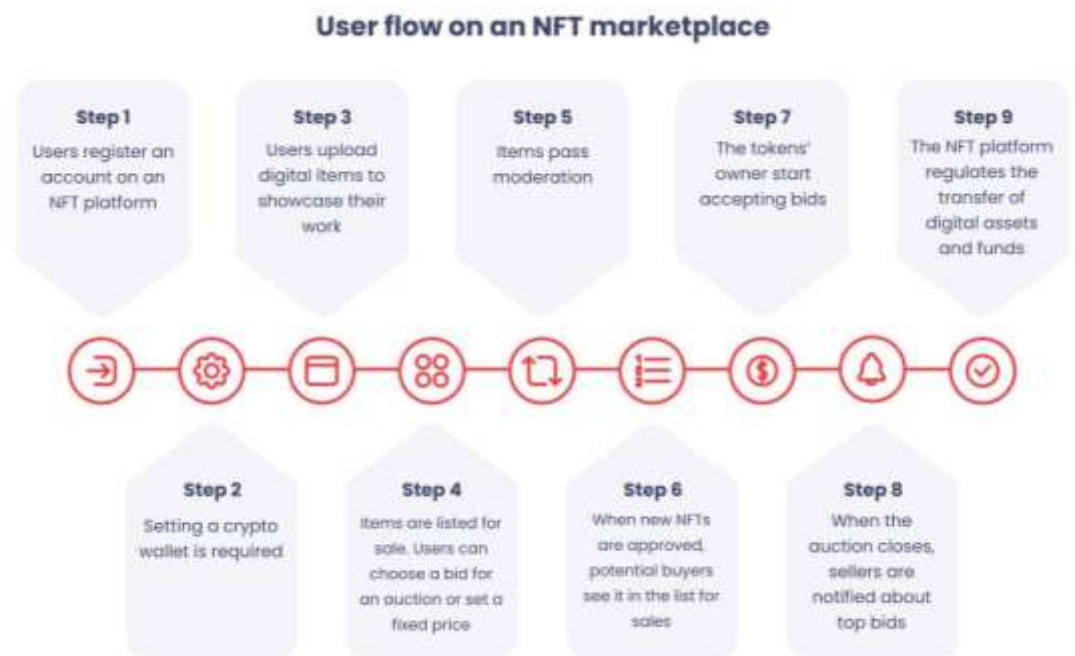


PostgreSQL uses a message-based protocol for communication between frontends and backends (clients and servers). The protocol is supported over TCP/IP and also over Unix-domain sockets.

4) Vendor

▪ Create Store

- ✓ **Universal non-fungible token websites** sell any kind of crypto goods, be it a work of digital art or a domain name. What are the most well-known universal NFT websites? These are Rarible, OpenSea, and Mintable.
- ✓ **Niche peer-to-peer marketplaces** are focused on offering particular digital assets. You have probably heard about Valuables, a website where you can buy and sell tweets. Another example is Glass Factory, where digital holograms are sold.
- ✓ For a token marketplace development, we need to create a token protocol.



▪ Mint NFT

- ✓ *It is quite easy to create an NFT on Ethereum. All you need is an Ethereum wallet that supports NFTs and an account on an Ethereum-focused NFT marketplace. Some examples of wallets that are compatible with NFTs are MetaMask, Trust Wallet, and Coinbase.*

▪ Transfer

- ✓ *Make sure you have enough gas for the transaction.*
- ✓ *Tap on the 'NFTs' tab.*
- ✓ *Tap on the icon of the NFT you wish to send.*
- ✓ *Tap on the 'send' button at the bottom of the screen.*
- ✓ *Enter the address you wish to send it to, hit 'Next', and follow the standard transaction prompts.*

- Burn
 - ✓ *NFTs are also burned to rectify errors or incentivize the buyers to hold onto their NFTs as they become more valuable. Once the tokens are found a Proof of Burn or PoB is created. Proof-of-burn (PoB) is a consensus mechanism that enables users to burn their tokens.*
 - ✓ *First, you will need to unlist the NFT from Foundation's marketplace. Click "Unlist NFT."*
 - ✓ *After you have unlisted the NFT, click on the settings icon again and select, "Burn NFT." You will need to pay a gas fee to complete the transaction.*
- Mint (Existing NFT)
 - ✓ *Create an account with a wallet to mint an NFT.*
 - ✓ *Create an account with a wallet to send the NFT to.*
 - ✓ *Mint the NFT, and send it!*

5) User

- Market Place



- Buy NFT
 - ✓ *It's an easy process to buy an NFT once you've funded your account. Most marketplaces are in an auction format, so you'll need to submit a bid for the NFT you want to purchase. Some marketplaces operate more like an exchange, using highest bid and lowest ask for NFTs that have several prints.*
- Login & Signup using MetaMask

There are many marketplaces to buy and sell NFTs. Depending on which marketplace you choose, you'll be able to purchase different types of art or collectibles. A lot of these websites have secondary marketplaces with a variety of NFTs, but each platform operates slightly differently

- ✓ **MetaMask** is an Ethereum wallet available via chrome extension and mobile app. To sign on to OpenSea (and other NFT platforms) you'll need an Ethereum wallet. Simply download MetaMask, set up a wallet and send over the ETH you just purchased from Coinbase.
- ✓ **OpenSea** is a marketplace for NFTs that operates on Ethereum. Users can interact with the network to exchange non-fungible tokens for cryptocurrency. It hosts a variety of digital collectibles, from video game items to digital artwork. To use the platform, you need a web3 cryptocurrency wallet such as MetaMask. Your Ethereum wallet address acts as a username and password and lets you interact with certain platforms like OpenSea. Once you've connected your wallet, you're ready to start browsing the market and placing bids!

Note: Features and requirement can be added after final discussion.

5. Cost Structure

Total service cost and implementation of above mentioned web based applications, shall be charged as follows:

S. No.	Particular	Cost (in INR)
1	Smart Contract for NFT Market Place on Ether Blockchain	\$ 1680
	Total	\$ 1680

***Cost not includes any third party payment. Server Payment, Domain and other certificate**

6. Time Frame

The Project **"Smart Contract for NFT Market Place on Ethereum Blockchain"** will be completed in 20 days from the date of signing between Reliwell Technologies and Client and further 5 days' grace period will be taken keeping in view some unavoidable circumstances.

Note: These are tentative time frame and will be finalized once the system document is finalized.

7. Payment Terms

Signing of the agreement along with Letter of Acceptance (X):	40% of total cost
Online Integration of Software (X+10 days):	40% of total cost
After testing & fixing of all the bugs:	20% of total cost

Reliwell Technologies

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