

Proposal Cum Project Scope Document for Crypto Trading Bot Development



Sub: Bot Development for Crypto Trading

Dear Sir,

Thanks for considering Reliwell Technologies for **Trading Bot Development**.
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.

About Crypto Trading Bot



Cryptocurrencies are known for being extremely volatile, and prices fluctuate drastically even in the space of minutes. Investors have the opportunity to participate in cryptocurrency trading around the world and at any time of the day. The combined effect of these factors limits the effectiveness of human cryptocurrency trading in a lot of ways.

Investors, in many cases, are unable to react quickly enough to changes in the price to achieve the optimal trades. Investors can not dedicate as much time to the [cryptocurrency markets](#) as necessary to always achieve the best trades. That would require round-the-clock monitoring of cryptocurrency exchanges all over the globe. This is where crypto trading bots get into the picture. They are nothing but automated tools that conduct trades and execute transactions on behalf of human investors.

What Are Crypto Trading Bots?

Crypto trading bots are a set of programs designed to automate cryptocurrency trading on your behalf. Typically, The investor/trader will have to pay attention to market statistics that play a crucial role in practicing trading and then pick which cryptocurrency to buy/sell and at what time. Crypto trading bots can easily automate the analysis and interpretation of market statistics. They can gather market data, interpret it, calculate the potential market risk, and execute buying/selling cryptocurrency assets.

It's like hiring an expert to do crypto trading for you while you can sit back and watch the profit grow. For example, you can set up a crypto trading bot to [purchase more Bitcoin](#) when the price goes lower than a specific limit. Crypto trading bots can often save you a lot of time and are more cost-effective than hiring human experts.

How Bots Work

Investors seek out the crypto trading bots that will be most useful for them and then download the code from a developer. Many bots have user fees, some of which can be quite steep. Each bot has different requirements in terms of software and hardware. In order to maximize the impact of a bot, an investor must know how to best utilize the tool.

For instance, investors must have the proper accounts set up across digital currency exchanges and must stock those accounts with cryptocurrency holdings. In many cases, they must still make investment decisions such as when to buy or sell. What a crypto bot tends not to be is a get-rich-quick solution for an investor not looking to put in the time and effort necessary for success.

Generally, most crypto trading bots have the following key components:

- **Market Data Analysis**

This module will save raw market data from different sources, interpret it and decide whether to buy/sell a specific cryptocurrency asset. Most of the bots allow users to customize which types of data go into the signal generator sector to get refined results.

- **Market Risk Prediction**

This module is a critical aspect of a crypto trading bot. Like the previous one, this one too uses market data to calculate the potential risk in the market. Based on that information, the bot will decide how much to invest or trade.

- **Buying/Selling the Assets**

This module of the crypto trading bot uses APIs to buy or sell the **cryptocurrency asset strategically**. Sometimes, you might want to avoid buying tokens in bulk, and during certain situations, immediate purchases could be the best choice. The Execution module takes care of such aspects.

Types of Bots

There are many varieties of crypto trading bots. One of the most popular ones is the arbitrage bot. Arbitrage crypto trading bots are tools that examine prices across exchanges and accordingly make trades in order to take advantage of variations. Because the **price of a cryptocurrency** tends to vary somewhat from exchange to exchange, bots that can move quickly enough can beat exchanges that are delayed in updating their prices.

Few other types of crypto trading bots use historical price data to test out trading strategies, offering investors a helping hand theoretically. And there are still other crypto trading bots programmed to execute trades at particular signals such as trading volume or price.

Various cryptocurrency bot strategies

Not every crypto bot is the same. Although there are several types of crypto trading bots available on the internet, here are the most popular crypto bot trading strategies:

Trend trading

These crypto trading bots are the simplest of the lot. These bots directly respond to any changes in the market. Trend trading bots do not make use of any complex algorithms such as predictive analysis. It is useful when you want to implement stop-loss or take-profit to prevent losses or gain sweet profits.

Arbitrage bots

This model compares the difference in prices between various crypto exchanges in the world. Since every exchange has a slightly different crypto price, the arbitrage model makes use of the exploit. If you want to know how to build a crypto arbitrage bot, read on.

For example, if we compare South Korea and US-based crypto exchanges, we can see that South Korean exchanges offer significantly higher prices than their US counterparts. One can gain sizable profits by exploiting the price difference.

Coin lending bots

If you want to loan your crypto assets at certain interest rates with limited risk, coin lending bots can help you. They automate the entire process and help you record profits.

Market making bots

This bitcoin trading bot algorithm lets you buy and sell cryptocurrency in high volumes. The profit you get is from the difference between the buying and the selling price. If you want to trade high volumes, a cryptocurrency market making bot is your only friend.

Advantages of Crypto Trading Bots

Following are some of the core characteristics and advantages of crypto trading bots:

- **More Powerful**

There is a specific limit to the amount of data a human trader can process at a time. Even if all the data is processed, it is tough to seek insights based on that data. Crypto trading bots can easily handle bulks of data and arrive at plausible conclusions.

- **Efficient**

Trading cryptocurrency assets using a crypto trading bot is always considered more efficient. You don't have to worry about delays and, most importantly, human errors. As long as the bot receives the correct data and is working on suitable algorithms, it can trade assets with a better chance of profit. An added advantage is that these bots can work 24*7.

- **Emotionless**

A crypto trading bot takes every single decision based on the perceived. Unlike humans, it doesn't have a fear of loss or greed of profit. Experienced traders may make rational decisions by overpowering their emotions, but that may not always be the case with everybody, especially beginners. On the other hand, a crypto trading bot always keeps emotion out of the equation.

1. Preset goals

It is said that more than half of the investors lose profits due to a combination of factors, most of which include emotions and decisions made based on emotions. Crypto bots can help you set goals, thus eliminating human interaction.

This systematic approach will help you maximize profits since these bots will automatically execute actions once the goal is met.

2. Faster than humans

The cryptocurrency market is volatile. A cryptocurrency might shoot up by 25% in a matter of minutes and come crashing the minute after. Users might miss on those profits if they are doing it manually since it takes some time.

This is where trading crypto bots help the most. Once you start using trading bots to book profits, you will rarely miss out on profits. It is the reason why many people on Wall Street have resorted to using crypto bots for daily trading.

3. Back-testing

If you use bots, you can perform paper trading and backtesting and make use of historical data to check if a pricing model or strategy is profitable or not. It doesn't matter if you are a veteran or a beginner, everyone has something to gain from these simulators. When paired with backtesting, Prediction can help traders understand if the approach you want to use will help you book handsome profits.

4. Confined to predetermined trading rules

Panic is another reason why many people in the stock market lose money. For example, if the crypto you invest in crashes, you might panic and sell it without a second thought. Bots are immune to such rash decisions made by us humans.

If you pre-define rules for selling and buying, then bots will help you in the long term. It is beneficial in volatile markets like crypto trading.

Decision-Making Flow

Here's a simple diagram providing an overview of how our bot will operate:



From here, we can start to determine what our architecture will look like.

First, we need a variable to indicate the state the Bot is currently in. This is either BUY or SELL. A boolean or enum should fit this purpose well.

Then we need to set our thresholds for buying and selling. These indicate the percentage decrease or increase in price since we last made an operation.

For example, if I bought the asset at 100\$, and its price is now at 102\$, we have a 2% increase. If we have a SELL threshold set to a 1% increase, our bot will then sell, because it has made a profit above our threshold.

What You Get:

- Website (Roadmap)
- Token Smart Contract
- White Paper
- Pancake Swap
- Android + iOS App
- Plan Calculations
- Plan Download
- Video Upload
- Admin Panel
- Help
- Support

Costing & Commercials:

Mobile Application (Android and IOS) Development –	\$6700
Discount amount	\$350
Final Amount	\$6350

Time Frame:

1Months

Payment Terms & Phases:

Advanced payment = 50%

Note: Cost not include Tax and Third party tool cost for ex: Server, domain, SMS gateway, paid library cost is not included in development cost.