

Here is my portfolio it contains of articles and blog posts in have written for different clients:-

Blockchain scalability issues and the solutions offered by layer 2 protocols

At the dawn of the blockchain age, Layer 1 laid the foundation for what has become one of the revolutionary industries in this Millenium. Layer 1 is the underlying main blockchain architecture. Ethereum and Bitcoin chains are considered Layer 1 and although these chains kickstarted the blockchain industry into gear, evolution is inevitable. As a way to meet the needs of scalability, Layer 2 solutions were introduced.

How does Layer 2 actually work?

Built on top of the Layer 1 network, Layer 2 solutions rely on a server or a grouping of servers. These groupings of servers have different names depending on the project, but we will refer to them as node operators for this article. Node operators can be a business specifically aimed at validating information or a large group of individuals with a single intent. Node operators ensure speed, efficiency, and security of transactions. They have a vested interest in a project, or the incentives offered by the project are worthwhile.

Transactions are not submitted to Layer 1 — they are considered off-chain transactions and are submitted to the Layer 2 nodes for validation; the node operators then pin or anchor them to Layer 1 in batches, so the transactions can't be changed.

What type of Layer 2 Solutions are there?

The process of gathering and submitting transactions defines the different types of Layer 2 solutions available — how, when, and what data is used determines what these solutions are. For example, some solutions called rollups gather multiple transactions into a single transaction, create a cryptographic proof of the transactions, and then submit this proof to Layer 1 as a record. Within rollup Layer 2 solutions there are a few iterations such as the Zero-Knowledge Rollups which bundle hundreds of transactions into one via a smart contract, which is considered proof of validity.

Channel Layer 2 solutions allow users or participants to transact a certain amount of times off-chain while only submitting 2 transactions to the Layer 1 chain. The validity of channels is given by participants locking a deposit via a smart contract, which holds them to their transaction boundaries. For example, in channels, the participant's first transaction is opening up the channel, and the 2nd transaction is the last, which closes off the channel, and a final on-chain transaction is logged.

Scalability is essential for the blockchain and crypto sphere to flourish.

Attracting and meeting customer's expectations and demands can be difficult when operating on Layer 1 alone. A super busy network slows down transaction speeds and increases gas prices tremendously as transaction senders try to outbid one another. In some instances, transactions can not be executed at all because of network congestion, and gas fees are deducted anyway. This frustrates users and makes DApps less user-friendly and more expensive.

Layer 2 solutions are the gateway to a happier, more satisfied user base and thus better adoption in the long run.

Layer 2 has brought much-needed innovation, especially for real time-related application developments like blockchain games. It has opened up the market because users aren't put off by slow transactions and high gas fees, and scaling is doable without compromising Layer 1's security.

According to an article on Hackernoon, if we look at the VISA Transaction per Second (TPS), the Visa TPS requirement is about 47K transactions per second. Layer 2 is an opportunity for blockchain and crypto to elevate their game and challenge traditional centralized solutions.

An effective example of a successful Layer 2 integration is the integration of Loopring into the Eidoo (PNT) ecosystem, specifically the eidooCARD. The eidooCard is linked to the Eidoo (PNT) DeFi wallet on the app and is considered one of the best Defi wallets.

The Loopring integration into the DeFi wallet app allows the VISA-backed Eidoo crypto card to make faster, real-time transactions at a lower fee in traditional retail, dining, or online shopping situations while maintaining the decentralization aspect of the Ethereum blockchain. This is what makes the eidooCARD your gateway into the future - a new, fast, and low-cost way to do crypto.

Loopring, a Zero-Knowledge Rollup Layer 2 solution, makes it possible to justify the smaller, more frequent kinds of payments, like those you can make with your eidooCARD or any mainstream debit or credit card. Loopring does approximately 2,025 trades per second off-chain compared to the Ethereum network which can only support approximately 30 transactions per second. This reduces gas consumption plus brings overall settlement costs to only fractions of a cent.

The old term used in blockchain technology referring to the Impossible Triangle, which refers to Security, Scalability, and Decentralization no longer has any bearing when it comes to Layer 2 solutions which are responsible for the decentralization evolution.

Forex investing :- An insight into a money making financial game

Forex investing can earn you a lot of money, which is why so many people around the world are looking to play the Forex game and amass personal fortunes. The Foreign Exchange market runs all day, every day and is also referred to as the Forex or FX market. However, unless you have thoroughly mastered the basic principles of investing in the Forex, you could lose all your investments within a very short period of time, as indeed happens too many who step into the Forex market without doing their homework. Such knowledge can be of unfathomable help in your trading. It can make you an efficient, superior trader if you can get your Forex trading strategies down right.

When enacting a currency trade, you basically have to buy one form of currency and sell, at the same time, in terms of another form of currency. There are differences between the Forex trading markets and the ordinary stock markets. In the first place, the Forex market works with a lot more money. It can go up to a hundred times more than is dealt with by the

New York Stock Exchange equaling up to \$1.5 billion daily! Secondly, the Forex market is not controlled by any form of central exchange, like the kinds which modulate all the stock markets around the world. Forex trading occurs via the system of Interbank marketing.

Forex trade is conducted directly between the two parties to the trade either by means of telephone or through electronic communication networks. The primary centers of trade in foreign exchange are located in London, New York, Frankfurt, Tokyo and Sydney. There is a constant state of fluctuation in the values of currencies with respect to each other all over the world. Thus, Forex investing can turn out to be very lucrative for you if you know which strategies to apply at what time in such an ever-changing market scenario.

There are multiple advantages offered by Forex trading. These are:

- First of all, there is the any-time factor in these markets. You can conduct your own transactions at your own convenience as they remain open at all times. You will be able to stay up to speed with all the latest information about the markets and be able to access buyers and sellers at any time.*
- Narrow spreads and stability in prices are often made probable because of the liquidity of particular pairs of currencies. As there is particularly high liquidity on the most frequently traded currencies, you should try and opt for these, as they turn out to be cheaper, rather than go for the less popular ones.*
- There are no hassles regarding commissions in Forex investing. This should make it a particularly attractive option especially if you intend to be associated with the markets frequently. This will increase the benefits you can get out of the market.*

As I've mentioned before, the most important asset you can have on your side is knowledge and experience with Forex investing before you actually step into the market. Without the appropriate training, you might as well throw away your money in gambling. But with it, you can maximize the potential of every dollar that you invest and you can be more confident of achieving what you set out to. But you must be careful. Don't fall for dubious Forex training educational outreach programs that don't produce what they promise. Also don't take the unnecessary risk of stepping out into the market alone and as a complete newcomer. Both these steps could end disastrously. Once you find the ideal program dealing with Forex trading and the right strategy, stick to itFind Article, and make it worthwhile. You will surely find success Forex investing in this way.

Search Engine Optimization Agency: The Perfect Solution

There are loads of agencies in the world now, which are here to fulfill your need for good quality Affordable SEO Services. These agencies will help you to optimize your site and get the traffic to make to the first page of the search engine, based on the present requirement this agencies have come to life.

By this time people of the world are quite aware of the fact or concept which is known as search engine optimization or SEO. The main aim of this technique is to promote a website in the internet, so that it becomes visible to the most number of people. When something has

exposure to a big number of people, they are bound to check it out and when they are checking the things out the other strategies of the SEO comes forward and helped the site being checked by millions. This way, loads of people help a website to establish itself, get good points and a prime slot in the search engine, the result of which is quite a good amount of money. So, you are helping a lot of websites to get started and gain heights.

If you have a website and you are also interested into get it to the height that you always wanted, then you have to take the help of the search engine optimization agency. This is the method through which a website is given the most possible visibility and as a result of that the website gets the prime slot, the optimization in the search engine., the simple meaning of which is when people will search that specific engine with that specific keyword, your website will be there in the first page of the search results. It is indeed good for a website to get that slot. It is like a huge achievement for the website and the owner of the site. There are various strategies to do what you want. These strategies will make your website more attractive, more competent and more and more people will be attracted to it. As a result your website will have the traffic it always looked for and you will reap the profit.

SEO is a set of strategies and it is for the good business and visibility if your website. You need to learn it if you want to do it all by yourself or otherwise you can take help from the professionals. There is a new concept taking shape these days and it is known as search engine optimization agency. This is nothing new to people who are already aware of the matter of SEO. Just like an advertising agency, this one also comes with professionals. These professional people know how to manipulate, where to manipulate and which way will be better. So, they will design, redesign and also do the required changes in your website, so that it gets the most visibility and most number of traffic.

If you really want to get the help of a search engine optimization agency, there are quite a few options for you. The people who work for the agency and professional people and they will be able to tell you the ways in which you can change your website for better and is you think that the process is a bit more complicated than you can handle Science Articles, then you can take their help. These professional people will make sure that your website and you get what you always wanted and struggled for.

[Law of attraction of money](#)

All the people should want to manifest money in their life as money is one of the most essential things in the world. If you have money, you can buy anything for yourself what you want. But if you are not, rich and wish for having more money and become wealthy, then the best idea is to learn the law of attraction money.

It will definitely help in you in your quest and make you wealthy. Life gives us end number of possibilities and by using this law we can attain what we want. If you really serious for making more and more money and wanted to be successful, then it is very important that you follow and incorporate law of attraction money in your day to day life.

When you are using the law of attraction money, then basically you are using your mind to attract success towards you. Attracting wealth is similar to attracting

anything else. The foremost thing is that you should be clear about your intentions. Write down the amount of money you require and be specific about it as writing more money is very much vague and fuzzy. Your intentions should be positive and you must ensure yourself that you have achieved that amount, even if you have not. For instance, 'I am very glad because I earn \$50,000 in a year'.

Make sure that you do not write that 'I should be free from all debts', because this is not a positive aspect. In fact, world will respond you by sending more and more debts. Thus it is better to write which is positive and optimistic. If you have problem in writing anything, then just close your eyes and think of what would be your life when you will had all the money that you desire. Visualize yourself that you are spending your money on that thing which makes you happy. For example, think of a new car or a holiday tour with family or friends. Imagine yourself that you are driving your dream car or you and your family are enjoying on the beaches and spending the fantastic time of your life. Another thing you can imagine is your bank statement which can have large amount of balance. The more vividly you imagineFree Articles, the better it is. Thus imagine as colorful and as bright as you can.

Manchester: must visit places

If you live in or have visited the city of Manchester, you probably already know which attractions and sights are the ultimate ones to view. Manchester is a quintessential hub of creativity and media advancements, but where is the best place to go? Boasting a rich history of development and culture, Manchester is an exuberant place to visit, with an important musical history and thriving LGBT community. Whilst it may appear to lack the draw and appeal of large cities, such as London or Brighton, not only does Manchester offer a beautiful landscape, there are a number of things to see and do.

These attractions have helped to make the City of Manchester an ideal location for company headquarters, as the attractions give workers something to do in the city. In fact listed below are some of the main hotspots, created with the help of officebroker.com:

1. An art gallery, for example, the Whitworth: Completely free to enter, this gallery contains approximately 55,000 items in its collection, as well as an array of unique and unusual exhibits. About a year ago, My reason for the visit to this gallery was to view an exhibit called 'Kinderzimmer', designed by Gregor Schneider, which was a massive space that had no lighting whatsoever, except for a poorly-lit small room at the other end, containing nothing but an old mattress that looked used. An interesting exhibit, though undeniably weird.

2. For museum-lovers, the Manchester Museum: Run by the Manchester University, it will not cost you anything to gain entrance and was recently publicly voted as one of the UK's most popular university museums. Containing approximately six million items such as animal skeletons, live animals within a vivarium, dinosaur bones and an array of items from different periods. Fantastic, interesting and free!

3. The Manchester Academy: If you listen to a lot of new and upcoming bands, then Manchester Academy is the place to go. The music scene has played a vital role in making Manchester become the cultural epicentre and the presence of the Manchester Academy reinforces this strongly. With upcoming gigs by Alexisonfire, Eels and Ash, this venue always produces an invigorating atmosphere.

4. Shopping centres, such as the Trafford Centre: Attracting shoppers from around the world, the Trafford Centre has provided a major draw of people to the wide array of stores inside. This centre is perfect for the average worker, working in an office in Manchester, according to officebroker.com staff. Boasting a wide range of premium stores (and smaller outlets), this is shopping heaven!

5. Lush landscapes: Whilst Manchester might normally be thought of as a very industrial city, it has a large amount of fantastic greenery and some outstanding parks. Heaton Park in particular is an amazing attraction, with attractions such as playgrounds and a popular animal centre, this is a great place to unwind and take in some fresh air. With a bit of walking, you can also find a number of other parks, some of which offer fantastic facilities for sports.

Even though it can be even better exploring Manchester yourself and discovering things that you will really enjoy, these factors can help you to have a fantastic day out