



BLOCKCHAIN & CRYPTOCURRENCY WORKSHOP

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Disclaimer: This only for educational purpose only!



WELCOME MESSAGE

I'm Kehinde Lawal, the founder of 9jacashflow.com

We believe in financial education just as others have their beliefs.

I'm a blockchain enthusiast and cryptocurrency investor

I'm very happy to be here today, to talk to you about blockchain technology and cryptocurrencies.

Kehinde Lawal

Founder 9jacashflow.com

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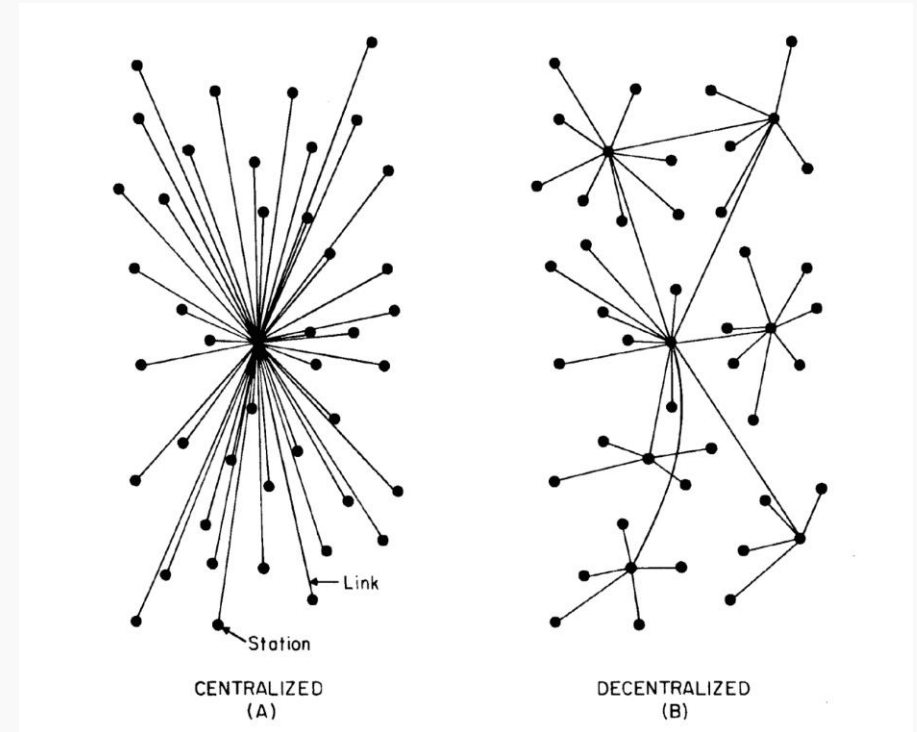
WHY CRPTOCURRENCY

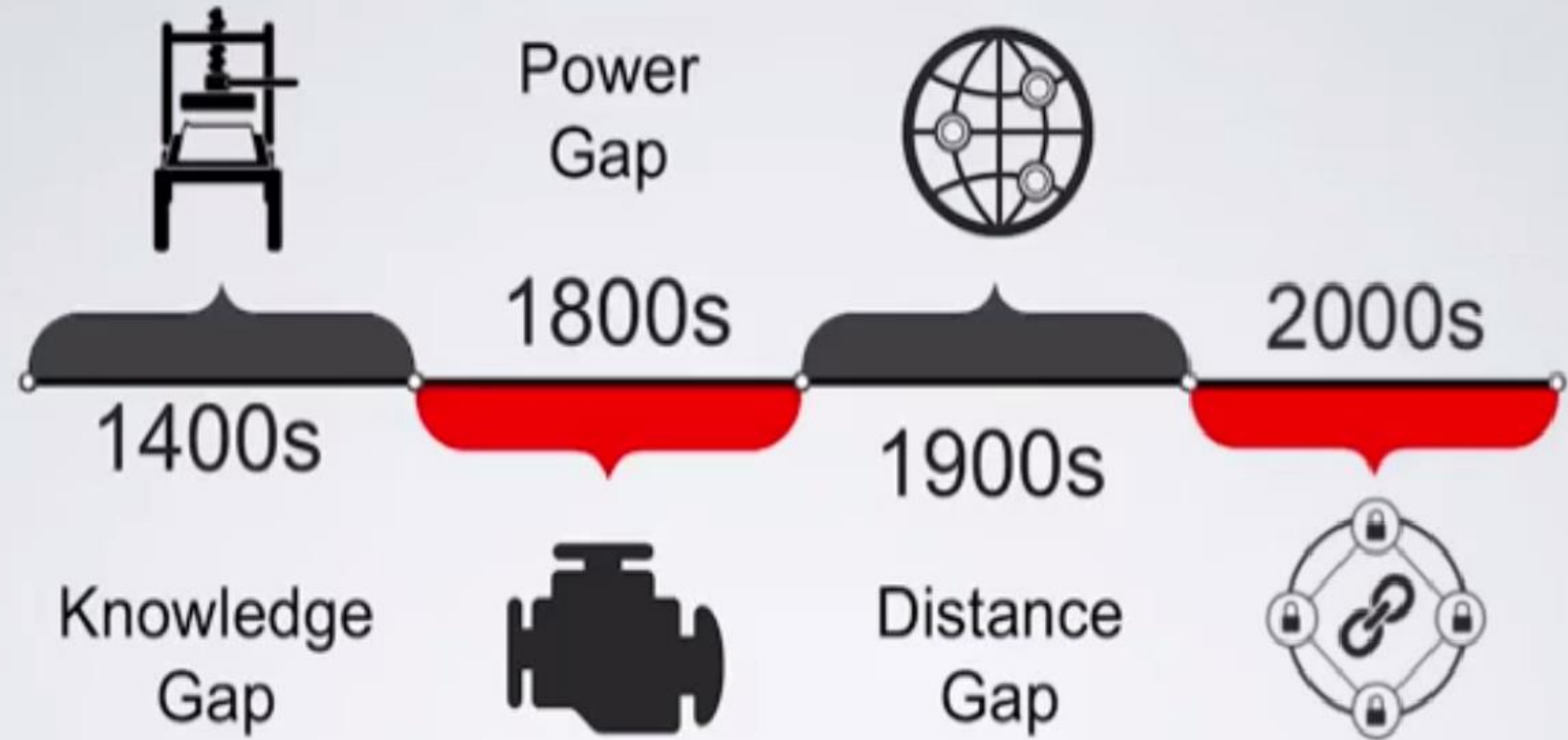
- ❑ As business men, we need to create good businesses.
- ❑ 4 primary classes of assets are the: Business, Real Estate, Paper Assets, Commodities.
- ❑ Paper assets is the easiest to build for business owners with limited time.
- ❑ Example of paper assets are: bonds, Stocks, shares & cryptocurrencies.
- ❑ Cryptocurrency market is similar to the stock exchange market.
- ❑ To understand cryptocurrency, you need to have basic knowledge of Blockchain.



BLOCKCHAIN TECHNOLOGY

- ❑ Chances are that you have heard about Bitcoin and Blockchain Technology.
- ❑ It's an advance internet.
- ❑ It's a type of technology that might do to banks what email did to post office.
- ❑ The blockchain is an incorruptible decentralised digital ledger of transactions, that can be programmed to record not just financial transactions but virtually everything of value.
- ❑ Blockchain will change our trust from trusted 3rd party to proof.





BLOCKCHAIN

Blockchain is revolutionary and disruptive.

According to Ian Khan, a TEDx Speaker, it's a mechanism to bring everyone to the highest degree of accountability. No more missed transactions, human or machine errors, or even an exchange that was not done with the consent of the parties involved.

01

TRUST

02

CENTRALIZATION

03

DECENTRALIZATION

04

DISTRIBUTED DATABASE





CHARACTERISTICS OF BLOCKCHAIN

slide 8

- ❑ It is a Decentralised Ledger Technology. A join only, decentralised distributed database.
- ❑ Consensus: Before one can execute a transaction, there must be agreement between all relevant parties that the transaction is valid.
- ❑ Immutability of the data: Once you have agreed on a transaction and recorded it, it can never be changed.
- ❑ Transaction Linkage: Every transaction recorded is linked to previous transactions and is standardized for every participating node.
- ❑ No single point of failure





POPULAR USAGE OF BLOCKCHAIN

Bitcoin : The first mainstream decentralized digital currency.

- The idea was to produce a currency independent of any central authority, transferrable electronically, more or less instantly, with very low transaction fee.
- invented by an unknown programmer (s), Satoshi Nakamoto.
- The system is peer-to-peer, and transactions take place between users directly .

Cons: Government don' like it because; it removes the need for a central authority to monitor, control and print money, they believe it can boost terrorism and money

laundering, diversion of funds etc.





POPULAR USAGE OF BLOCKCHAIN CONT'D

Ethereums: A blockchain which has a scripting language included in it i.e. it can be used in creating decentralised application (Dapps) which are in turn used for making smart contract.

- ❖ Smart contract: A smart contract is a self executing contract. A contract that enforce itself.
- ❖ Pros: Immutability – Corruption & tamper proof – Secure - Zero downtime
- ❖ Cons: Human Error



Smart contract

1



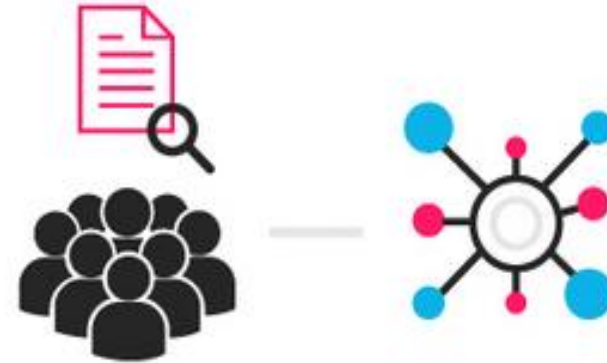
An option contract between parties is written as code into the blockchain. The individuals involved are anonymous, but the contract is the public ledger.

2



A triggering event like an expiration date and strike price is hit and the contract executes itself according to the coded terms.

3



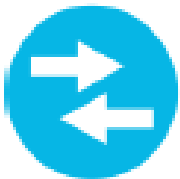
Regulators can use the blockchain to understand the activity in the market while maintaining the privacy of individual actors' positions

OTHER APPLICATIONS OF BLOCKCHAIN



Smart contracts

Distributed ledgers enable the coding of simple contracts that will execute when specified conditions are met.



The sharing economy

By enabling peer-to-peer payments, the blockchain opens the door to direct interaction between parties – a truly decentralized sharing economy results.



Crowd funding

Blockchains take this interest to the next level, potentially creating crowd-sourced venture capital funds.



Governance

By making the results fully transparent and publically accessible, distributed database technology could bring full transparency to elections or any other kind of poll taking.

OTHER APPLICATIONS OF BLOCKCHAIN CONT'D



Supply chain auditing

Distributed ledgers provide an easy way to certify that the backstories of the things we buy are genuine. Transparency comes with blockchain-based timestamping of a date and location – on ethical diamonds, for instance – that corresponds to a product number.



File storage

Decentralizing file storage on the internet brings clear benefits. Distributing data throughout the network protects files from getting hacked or lost.



Prediction markets

Prediction markets that pay out according to event outcomes are already active. Blockchains are a “wisdom of the crowd” technology that will no doubt find other applications in the years to come.



Protection of intellectual property

Smart contracts can protect copyright and automate the sale of creative works online, eliminating the risk of file copying and redistribution.



OTHER APPLICATIONS OF BLOCKCHAIN CONT'D



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OTHER APPLICATIONS OF BLOCKCHAIN CONT'D



Data management

In the future, users will have the ability to manage and sell the data their online activity generates. Because it can be easily distributed in small fractional amounts, Bitcoin – or something like it.



Land title registration

As publicly-accessible ledgers, blockchains can make all kinds of record-keeping more efficient. Property titles are a case in point. They tend to be susceptible to fraud, as well as costly and labour intensive to administer.



Stock trading

When executed peer-to-peer, trade confirmations become almost instantaneous. This means intermediaries – such as the clearing house, auditors and custodians – get removed from the process.





Manufacturing
Companies



Trust
Companies

1800s

2000s

1400s

1900s

Knowledge
Companies



Online
Companies





PROBLEM BLOCKCHAIN WILL SOLVE IN NIGERIAN

- ❖ Data Storage: current cloud storage services are centralised.
- ❖ Banking Solutions: Not everybody have access to banking solutions. 2.5 billion unbanked and 1 billion underbanked.
- ❖ Smart contract: Contract that enforce itself eg. uncompleted projects
- ❖ Asset Management: e.g. Land Allocation and registering.
- ❖ Remittance: Visible to the public.
- ❖ Voting and Election: current voting systems are proprietary, they are centralised, i.e.
- ❖ Proof of Ownership of any document: Timestamp that are unaltered.



OPPORTUNITIES TO AN AVERAGE NIGERIAN



- ❖ Blockchain Developers: They are highly sort after, a week ago, china central bank where on the look out for blockchain developers with high pay.
- ❖ Cryptocurrency Trading: You may not have access to stock exchange but you can trade crypto tokens and assets and make money.
- ❖ Cryptocurrency Investment: Traditionally, only Venture capitalist and Angel Investors can participate in IPO. However, anybody can participate in ICO. So you can be an investor with the little cash you have.





CONCLUSSION

- ❖ I hope have massively simplify blockchain technology and not confuse you.
- ❖ Though this technology is not yet applicable in all situations, it will be too risky to neglect this wave of change called blockchain.
- ❖ While companies are popping up abroad as regards blockchain, the CBN is yet to have a single stand on this technology. But because we care about Nigerians and ourselves, we will continue the awareness of this disruptive technology.



THANK YOU

Questions & Answers



5 MINUTES BREAK



Section

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02



BLOCKCHAIN

DEVELOPMENT

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BLOCKCHAIN DEVELOPMENT

The blockchain technology is an extremely new technology and only few individuals know about it, most likely the techie guys.

However, the development can be broadly divided into two;

- ❖ The Blockchain itself and
- ❖ The Decentralized Applications.





DEVELOPING THE BLOCKCHAIN ITSELF

If you're interested in building a blockchain that others rely on, you have a few difficult tasks ahead of you:

- ✓ You have to decide what type of blockchain you want to implement.
- ✓ Then, you have to decide on how you're going to build your mining community.
- ✓ you'll have to figure out how to get the larger community interested in your blockchain.

Don't spend much time on the actual development of a blockchain.

It is getting easier every day





DEVELOPING A DECENTRALISED APPLICATION

- It's far much easier and feasible.
- Ethereum and Stratis are existing blockchains that support the development of decentralised apps. so think about a problem that blockchain can solve in your immediate environment
 - ✓ Ethereum Blockchain: <http://dapps.ethercasts.com/> & www.ethereum.org/
 - ✓ Stratis Blockchain: https://stratisplatform.com/stratis_enterprise/



THANK YOU

Questions & Answers



TIME FOR SOME GAMES!



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03



CRYPTOCURRENCY

INVESTMENT, TRADING & MINING

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CRYPTOCURRENCY INVESTMENT

- The Cryptocurrency market is just an advance stock exchange market in which anybody can participate anywhere in the world. You have to decide what type of blockchain you want to implement.
- To understand the concept of cryptocurrency investment you need to understand the traditional stock exchange





TRADITIONAL STOCK EXCHANGE

- ✓ traditional market is more cost intensive, since you need to pay your broker for management fee and a percentage on all your profits.
- ✓ It's also time consuming when you want to enter a market or liquefy your holdings.



CRYPTOCURRENCY MARKET

- ✓ the cryptocurrency market is cost effective as you can manage your portfolio yourself.
- ✓ It is also time saving, as you can buy and liquefy your holdings within minutes.





INITIAL COIN OFFERING (ICO)

- ✓ ICO is a decentralized means of crowd funding.
- ✓ More efficient way for companies to fund their projects.
- ✓ investors acquire cryptoshares through an ICO rather than real shares.
- ✓ No expensive fees traditionally seen with stocks.





BRIEF HISTORY

- The first successful ICO was held in April of 2014 by a company named Karmacoin.
- For now, no legal status or requirements must be met prior to a company attempting an ICO.
- Prior to the announcement of an ICO, companies release a whitepaper.
- *ICO's Today* : Over 90 ICOs this year; raising more than \$1 billion for business funding.

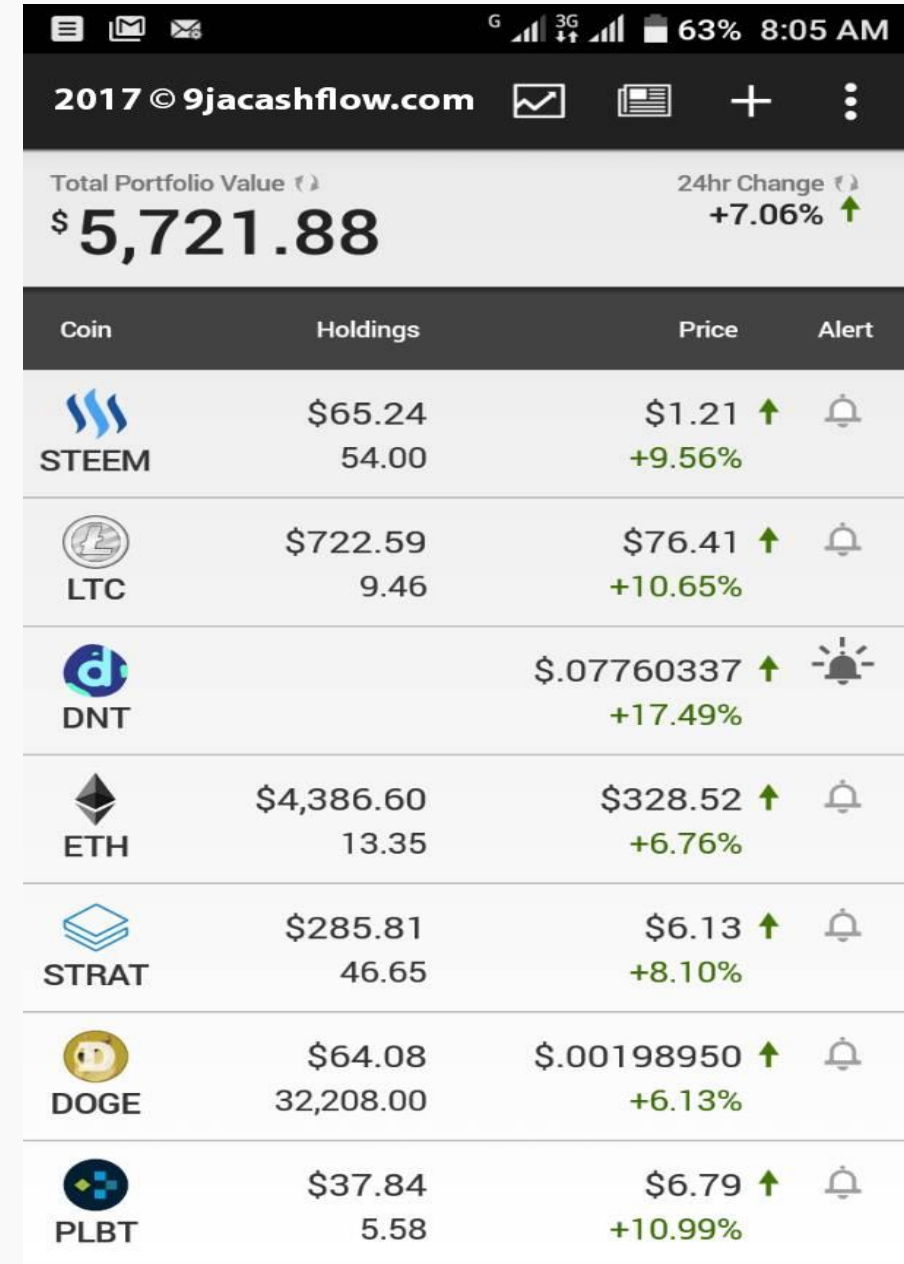
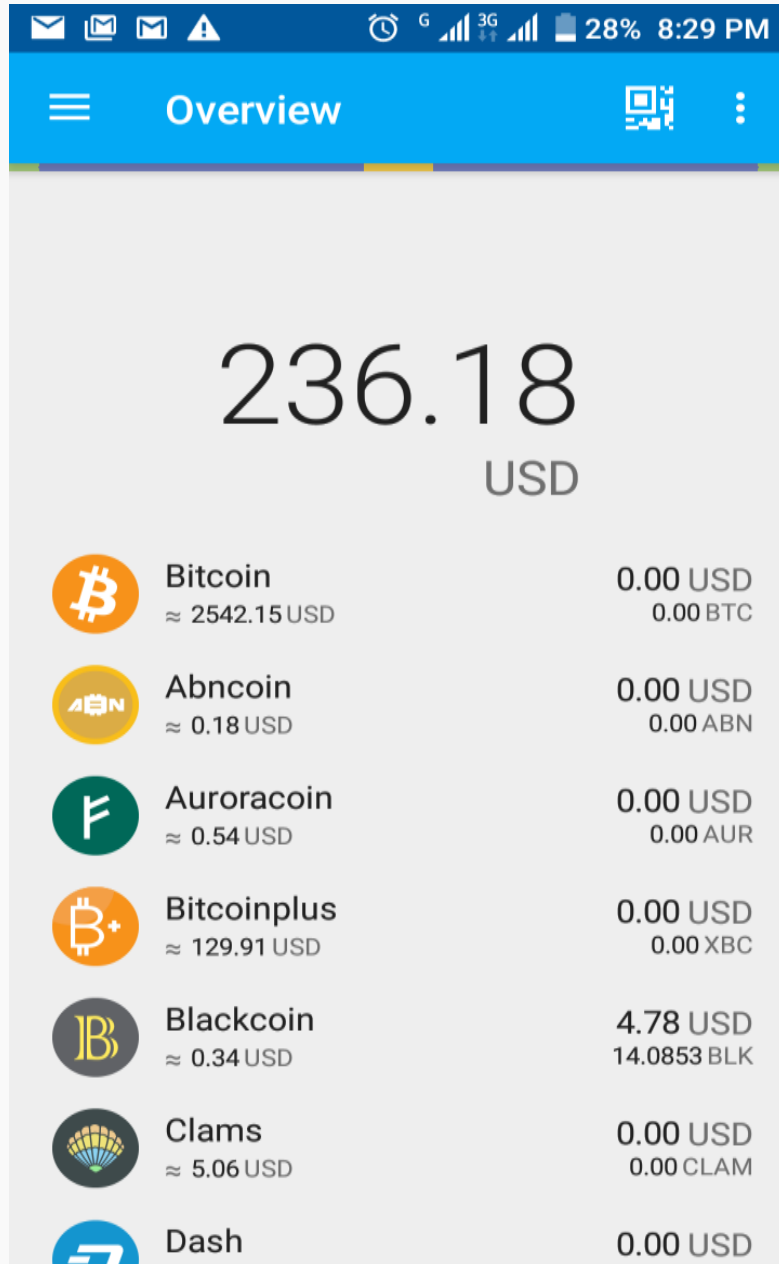


CRYPTOCURRENCY INVESTMENT GRAPH



MY PORTFOLIOS

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CRYPTOCURRENCY TRADING

- ❑ Blockchain Technology has given you the opportunity to participate in the global market known as the cryptocurrency market.
- ❑ You can buy and sell as much cryptocurrency and crypto token on your PC or Smartphone, from the comfort of your room.
- ❑ However, this a new market with a lot of volatility; but the higher the risk, the higher you can earn if you understand the market.





TRADING TERMS

1. Pump
2. Dump
3. Sideways
4. Whales
5. Exchangers
6. Throlbox
7. Market
8. Bid
9. Ask
10. Order





TRADING WEBSITES

This are exchanger platforms, where buyers and sellers of stocks, commodities or digital assets etc. come to trade.

The popular trading website use in trading cryptocurrencies are;

1. Poloniex.com
2. Bittrex.com
3. Luno.com (Naira based trading merchant)





TRADING TIPS

1. Buy low sell high
2. Target : Don't loose money.
3. Short time
4. Look for Dips
5. Don't over diversify your portfolio







SUMMARY

- If you don't want to learn technical skills then investing is for you, as it requires low level of technical knowledge.
- I recommend learning how to trade, don't just jump into it.
- If you want to start doing either or both and you don't know any spot to learn, you can signup for my VIP course and chat room





CRYPTOCURRENCY MINING

- The term mining is used in a fashion of the work performed for real gold miner seeking for this precious metal with hard work.
- You become a node that assist in validating transactions.
- It's a “*no go area*” to an average Nigerian, mining on PC.
- GPU mining no longer profitable.



Mining Rigs, Pools and Clouds



A mining rig is a computer system used for mining bitcoins. It can either be a dedicated miner or one that can serve other need.



Mining pool simply means pooling of resources by miners, who share their processing power over a network.



In cloud mining, you do not operate a physical mining rig but rather rent computing power from a different.



THANK YOU

Questions & Answers

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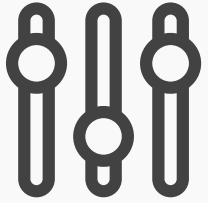
04



OTHER ASPECT

OF BLOCKCHAIN

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SECURITY TIPS

1. Install an Anti-virus program.
2. Don't open email attachment from unknown sources.
3. Don't download computer games or software from unknown sources
4. Use complex password
5. Don't participate in Ponzi schemes
6. Don't participate in Nonzi schemes





PRIVACY TIPS

This to the billionaire investors, Venture Capitalist and Angel investors.

To avoid being traced by fraudsters or robbers on the lookout for large transaction, kindly;

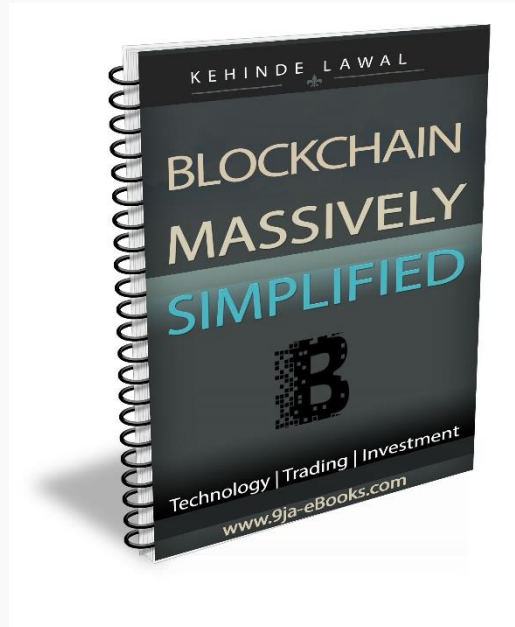
- Connect to a Proxy.
- Browse on Tor.
- Get a Virtual Private Network (VPN).

Whenever you want to transact large transactions.





DOWNLOAD THE EBOOK



- This just a slide to my eBook titled “Blockchain Massively Simplified”.
- If you had like to get more detailed and action-oriented explanation, kindly click on the link below, to get your personal copy of my eBook.
- bit.ly/blockchain-massively-simplified





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THANK YOU

Questions & Answers
(0810 185 0909)