



Certified Blockchain Architect

How Blockchain Works?

What makes Blockchain essential?

- At a glance, you may worry that the Blockchain is not so secure as a central authority does not control it but the fact of the matter is that you don't need to trust a central authority to use a Blockchain, instead you have to put your trust into the Cryptographic Algorithms running behind the Blockchain.
- The other essential part of the Blockchain is that it's open source makes it more secure and transparent. It can be taken into same sense as when Elon Musk open sourced his patents for Tesla, referring to the fact that **“When the ship is sinking and you have a design for a bucket, then you share your design with others to save the ship, instead of using it by yourself”**.

Facilitates Transparency and Security

- The core principle of Blockchain is to keep records transparent. This should eliminate any tampering or revision of data within the system.
- Bitcoin facilitates transparency by requiring new transactions to include a proof of work validation.
- One of the possible applications of transparency could be within governance, where elections could be fully transparent and enabled by the Blockchain technology. Sierra Leone was among one of the first countries to conduct the same. This helped them in:
 - Eliminating allegations of tampering.
 - Immutable votes
 - Immediate access to voting results

Decentralization



- Decentralization is one way to create a democratic decision process.
- This is essential to create a non-central proof of trust where one single entity is not allowed to take decisions for the complete group, essentially being faithful to the term “For the people, by the people”.
- Decentralization also reduces the effects a maligned user can put on the system.



THANK YOU!

Any questions?
You can mail us at
hello@blockchain-council.org