

Career Paths in Blockchain

Stanly Johnson

Today's Discussion

What is Blockchain?

Career Paths

How to get started?

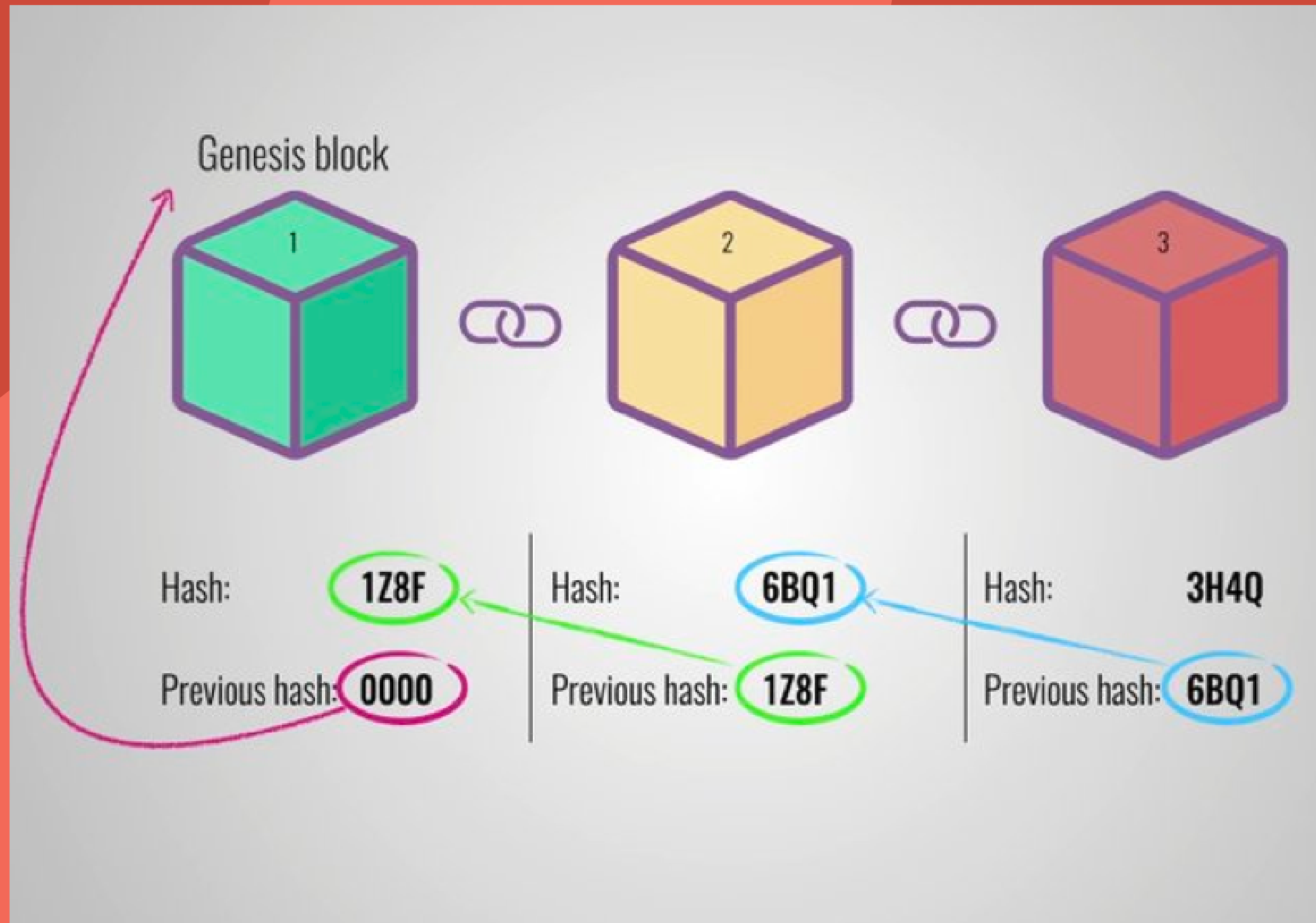
What is Blockchain?

Bitcoin: A Peer-to-Peer Electronic Cash System

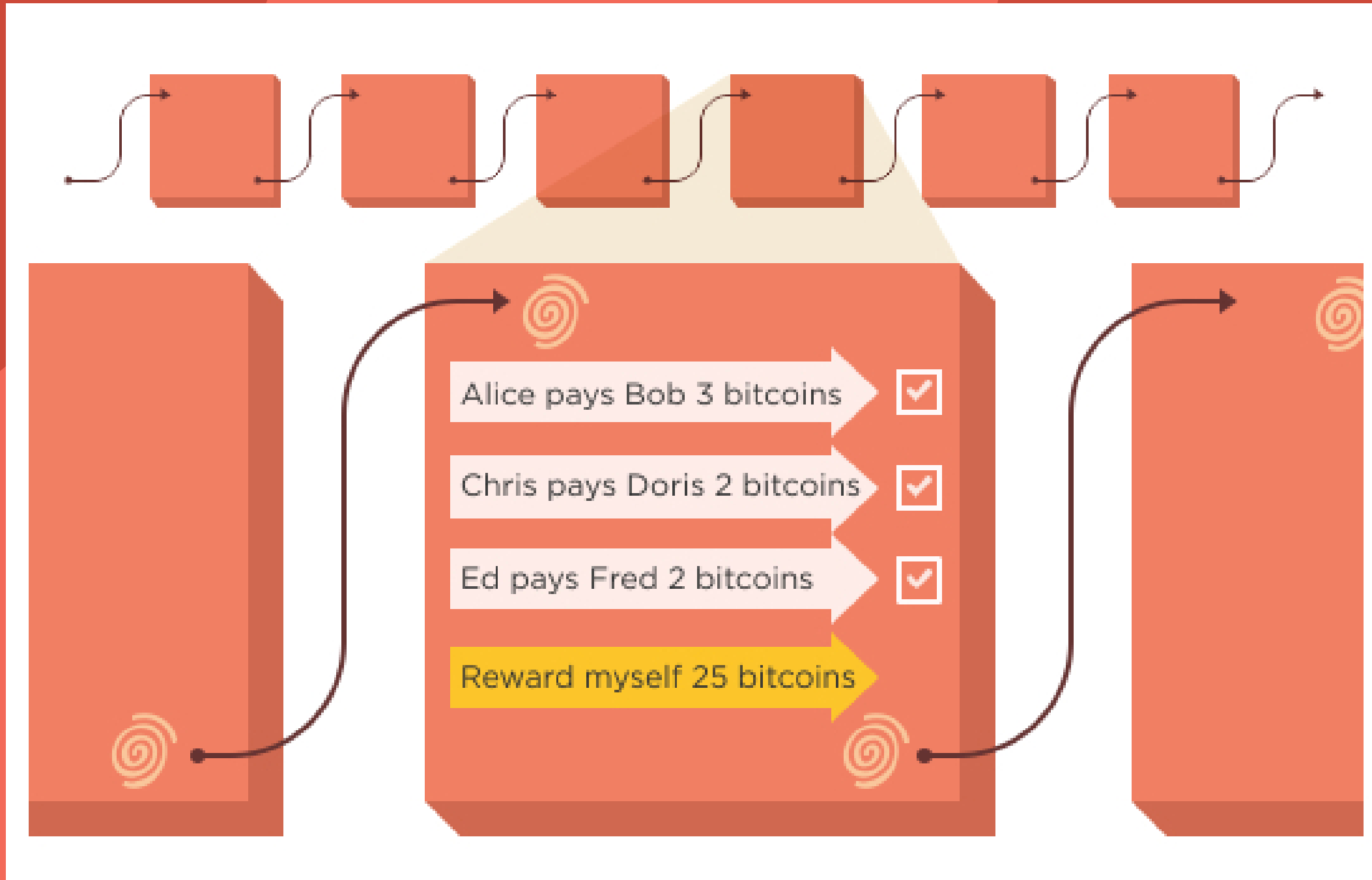
Satoshi Nakamoto
satoshin@gmx.com
www.bitcoin.org

Abstract. A purely peer-to-peer version of electronic cash would allow online payments to be sent directly from one party to another without going through a financial institution. Digital signatures provide part of the solution, but the main benefits are lost if a trusted third party is still required to prevent double-spending. We propose a solution to the double-spending problem using a peer-to-peer network. The network timestamps transactions by hashing them into an ongoing chain of hash-based proof-of-work, forming a record that cannot be changed without redoing the proof-of-work. The longest chain not only serves as proof of the sequence of events witnessed, but proof that it came from the largest pool of CPU power. As

DISCUSSION OUTLINE



DISCUSSION OUTLINE



The Ethos

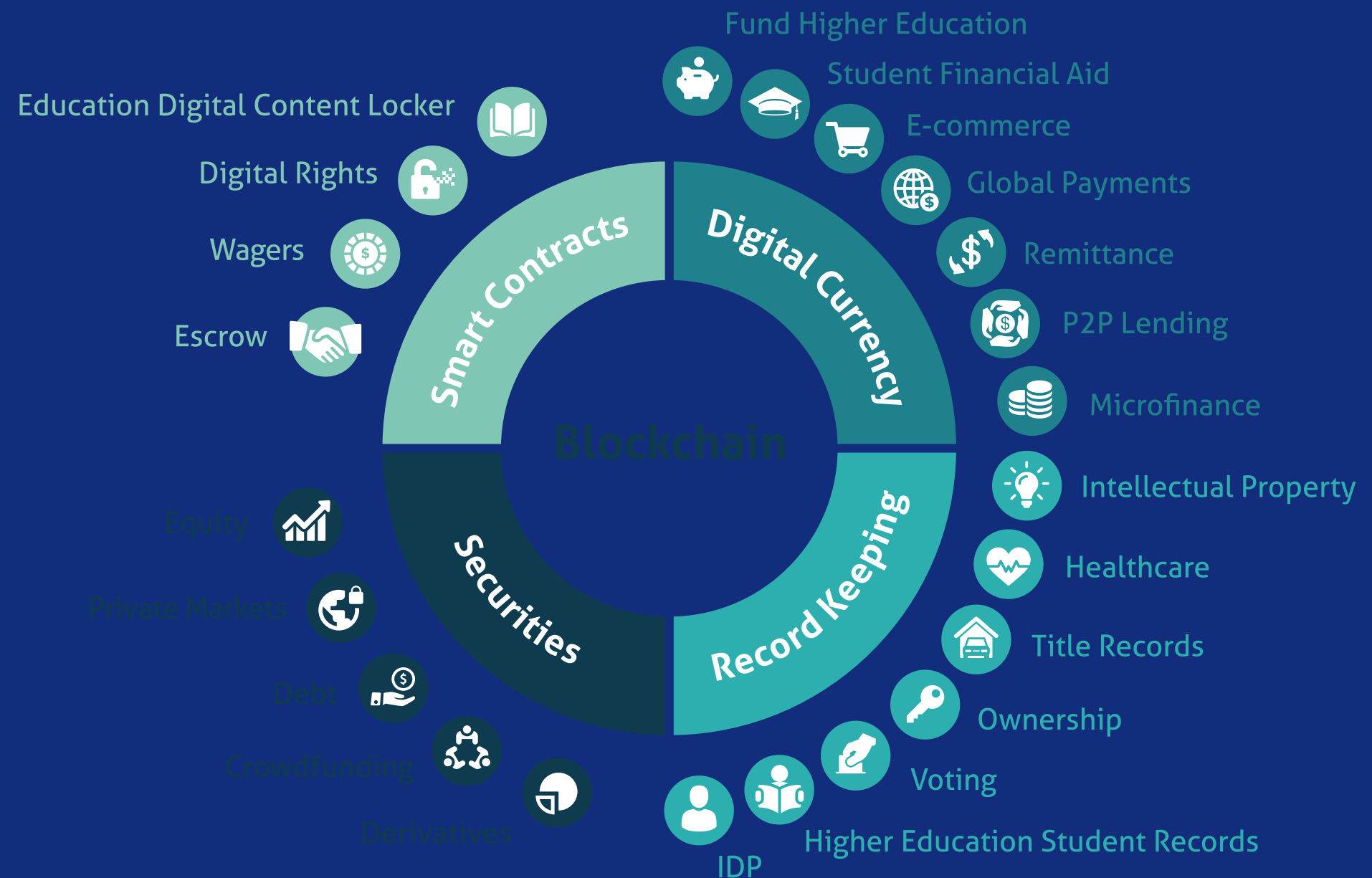
DECENTRALISED

IMMUTABLE

TRANSPARENT

The Current Landscape

Blockchain UseCases



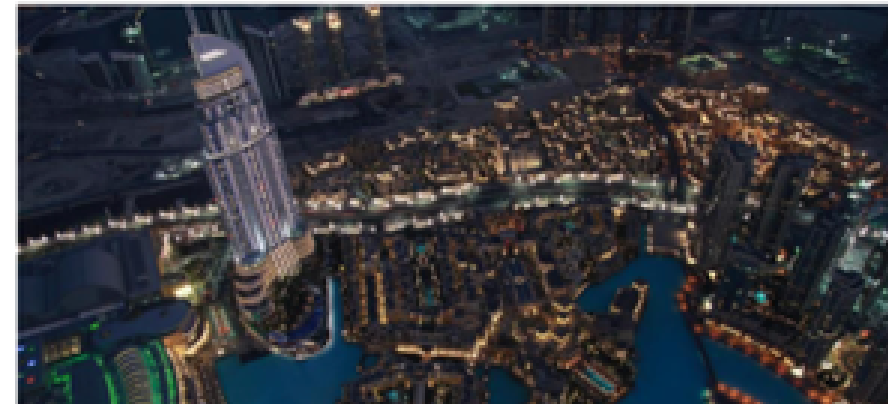
CHALLENGES AND OPPORTUNITIES

154,905 views | Dec 18, 2017, 01:08am

Dubai Sets Its Sights On Becoming The World's First Blockchain-Powered Government



Suparna Dutt D'Cunha Contributor @ Asia
I cover startups & enterprises in India and the UAE.



JUST IN ASIA

Most of China's biggest banks are already using blockchains



by Celia Wan

April 22, 2020, 12:32PM EDT · 1 min read



AirAsia launches a blockchain-based air cargo network

7 hours ago

Last Modified date - April 24, 2020

Malaysian airline AirAsia has launched a blockchain-based air cargo network, that aims to make it easy and convenient to book for cargo space on its airlines.



sumer pays for groceries at a supermarket in the Zaatari refugee camp.

Connectivity

Inside the Jordan refugee camp that runs on blockchain

Syrian refugees could regain legal identities that were lost when they fled their homes.

by Russ Juskalian

Apr 12, 2018

A few times a month, Bassam pushes a shopping cart through the aisles of a

Story from Markets →

Apple Hints at Behind-the-Scenes Blockchain Work in New SEC Filing

Feb 15, 2019 at 16:15 UTC · Updated Feb 15, 2019 at 16:37 UTC

f in



Apple has submitted what might seem like an arcane filing with the

The Evolution

BLOCKCHAIN 1.0

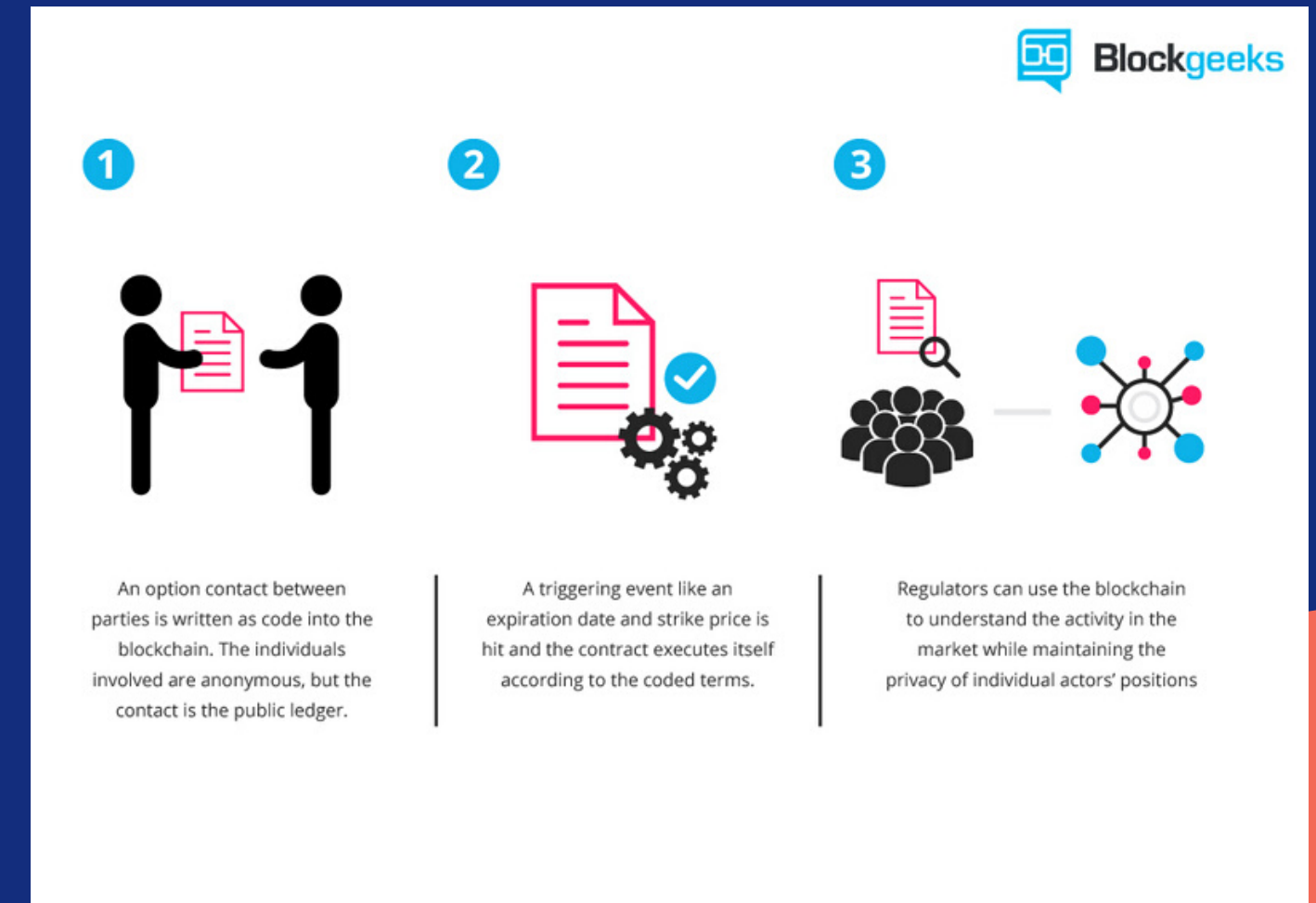
Bitcoin 2009

BLOCKCHAIN 2.0

Programmable Blockchain

BLOCKCHAIN 3.0

Scalable DAG



Career Paths

Do not choose a career because its the hottest in town!



Career Paths

Blockchain Developer
Smart Contract Developer
Blockchain Architect
DApp Developer
Protocol Engineer
Blockchain Researcher





How to get started?

WHAT YOU NEED TO KNOW?

Networking

Cryptography

Distributed Systems



First Steps

Learn about
networking and
distributed systems

Basic understanding of
cryptography

Learn a programming
language



Programming Languages

Golang

<https://gobyexample.com>

Rust

<https://www.rust-lang.org/learn>

Python

<https://www.learnpython.org>

NodeJs (Javascript)

<https://nodejs.org/en/docs/guides/getting-started-guide/>

Solidity (Ethereum Smart Contracts)

<https://solidity.readthedocs.io/en/v0.5.3/solidity-by-example.html>

Java

C/C++

Blockchain Reading

CodeAcademy - <https://www.codecademy.com/learn/introduction-to-blockchain>

Ethereum - <https://ethereum.org/learn/>

Satoshi's White Paper - <https://bitcoin.org/bitcoin.pdf>

Blockchain Research Papers - <https://github.com/decrypto-org/blockchain-papers>

Dapp University - <https://www.youtube.com/channel/UCY0xL8V6NzzFcwzHCgB8orQ>



Open Source Projects

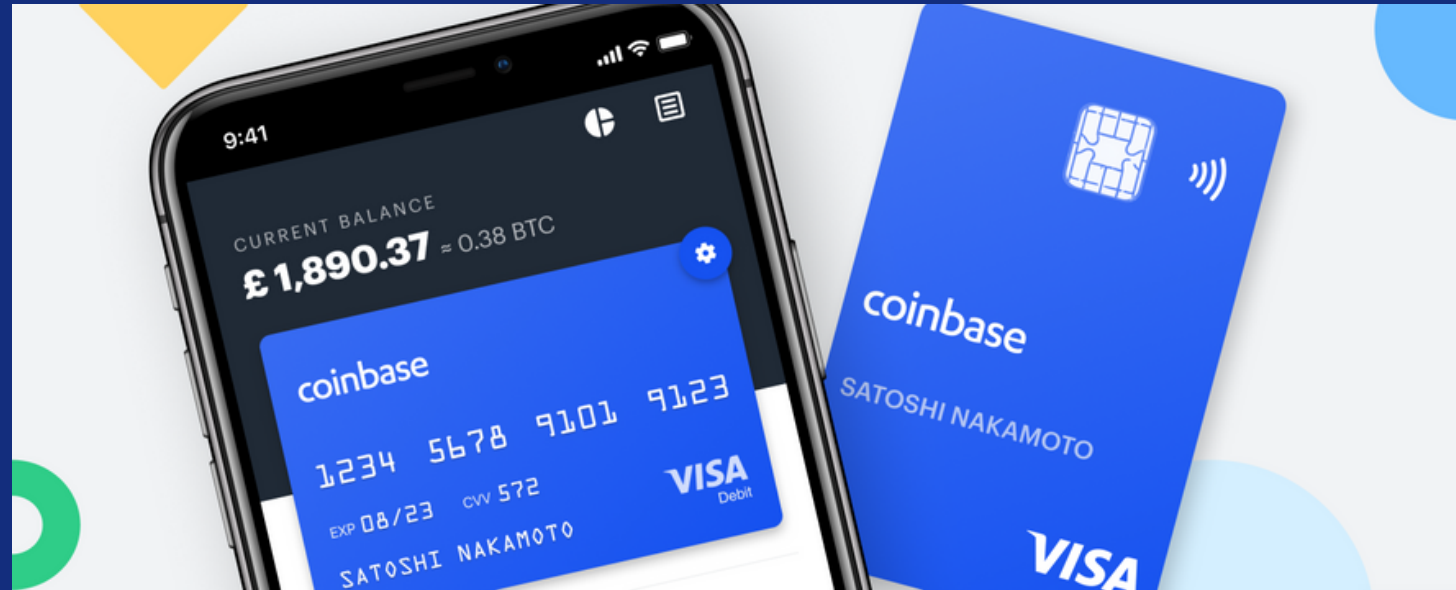
Ethereum - <https://github.com/ethereum>

Hyperledger - <https://hyperledger-fabric.readthedocs.io/en/release-2.0/>

Cosmos - <https://github.com/cosmos/cosmos>

Corda - <https://github.com/corda/corda>





GREAT COMPANIES IN THIS SPACE

Leading blockchain/crypto
companies



Questions?

Get this ppt https://cutt.ly/sj_bc

Get in touch at stanlyjohnson@outlook.com