

17th

Monthly Meetup

Thursday, July 20 | DCB, University of Kerala



Who?

- **Jikku Jose**
- Co-founder of **Qucentis** & **BIGOrg**
- Building a Blockchain based product

Blockchain Interest Group

- **Open group** of individuals and companies working on blockchain & related technologies.
- Meetups every third Thursday of the month!
- Quite active on **Telegram**

History of Bitcoin

- **2009**
- **Satoshi Nakamoto**
- **Bitcoin**
- **Cryptocurrency**
- **Blockchain**

Blockchain: Definition

A datastore that is:

- **Tamper-proof**
- **Decentralized**
- **Uncensorable**
- **Slow**

How to get started

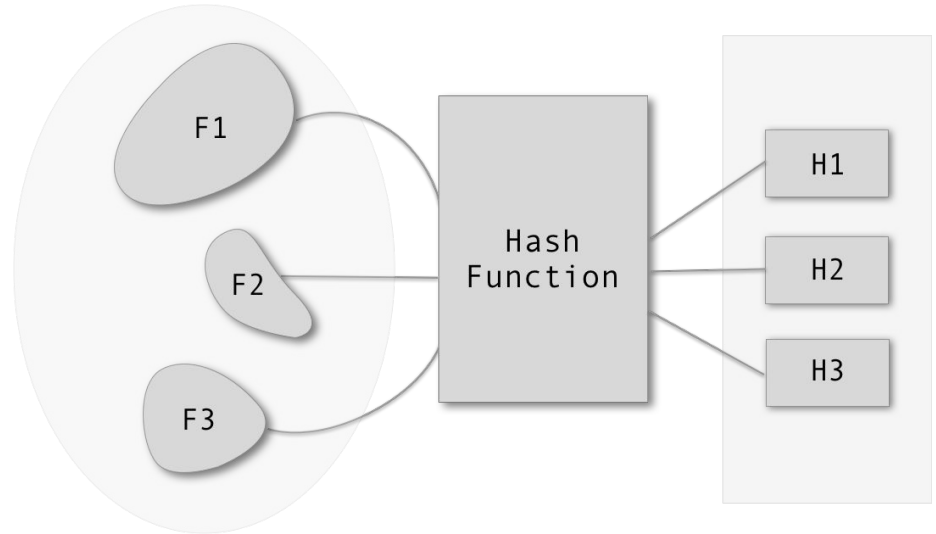
- Basics of cryptography (**PK**, **Hashes**)
- **Bitcoin** white paper
- Start experimenting with **Ethereum**

Who?

- **Rakesh BS**
- Co-founder of **Qucentis** & **BIGOrg**
- Building a Blockchain based product

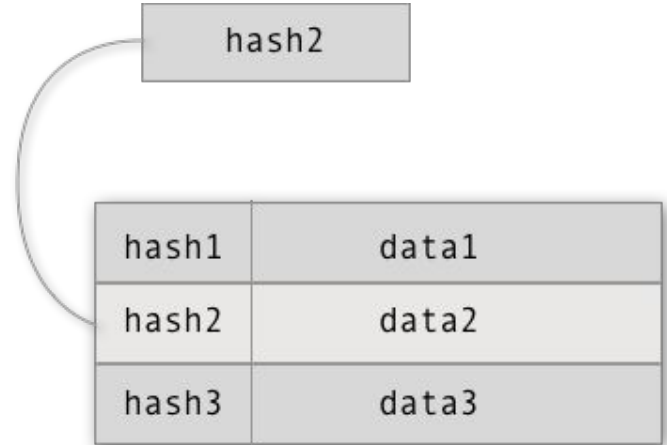
Cryptographic Hash Functions

- **Collision Resistant**
- **Non-Reversible**
- **Efficient**
- **Variable** Length Input
- **Fixed** Length Output



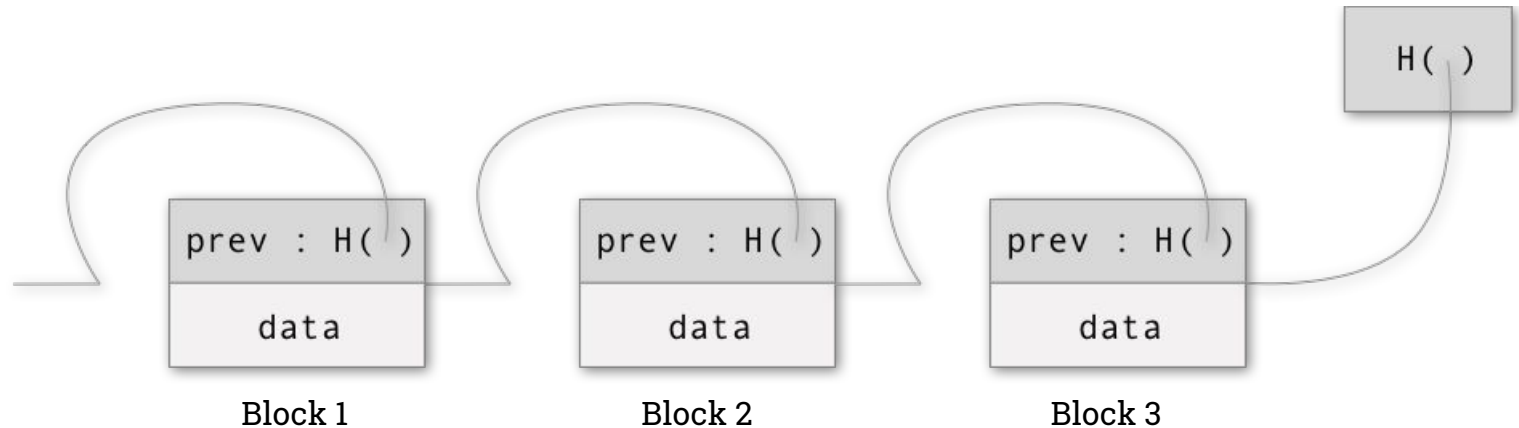
Hash Pointers

- Hash is used as **key** to retrieve the data
- Ensures data is **tamper-proof**



Blockchain

- **Linked List made of Hash Pointers**
- **Tamper-proof**



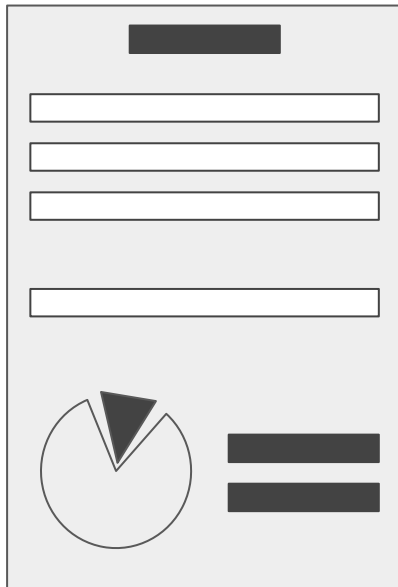
Who?

- **Jaydev Sreevallabhan**
- Director at LMB Insurance Brokers
- Blockchain Enthusiast

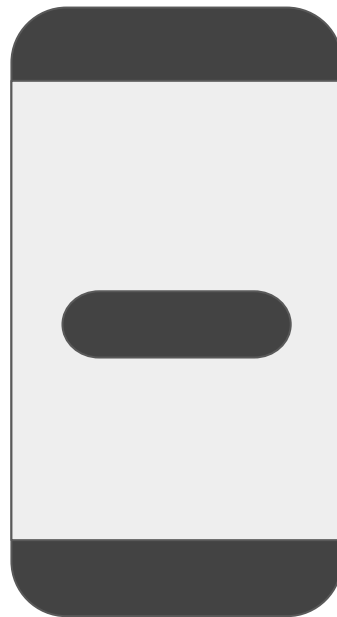
ICO, you call it?

- Who here has heard of **KickStarter**?
- **Initial Coin Offering**
- Blend of **crowd** & **equity** funding
- **Unregulated**

Breaking it Down



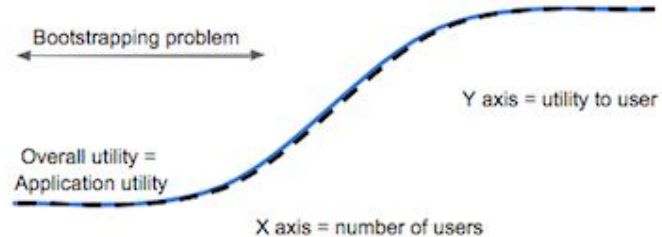
Whitepaper



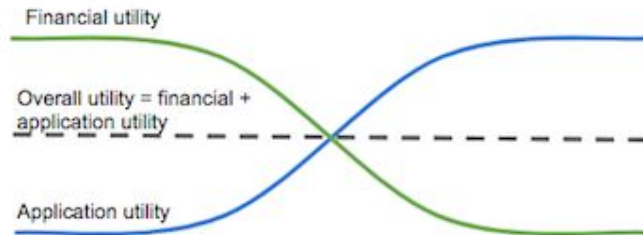
Prototype or MVP

Bootstrap Problem

Traditional network effect

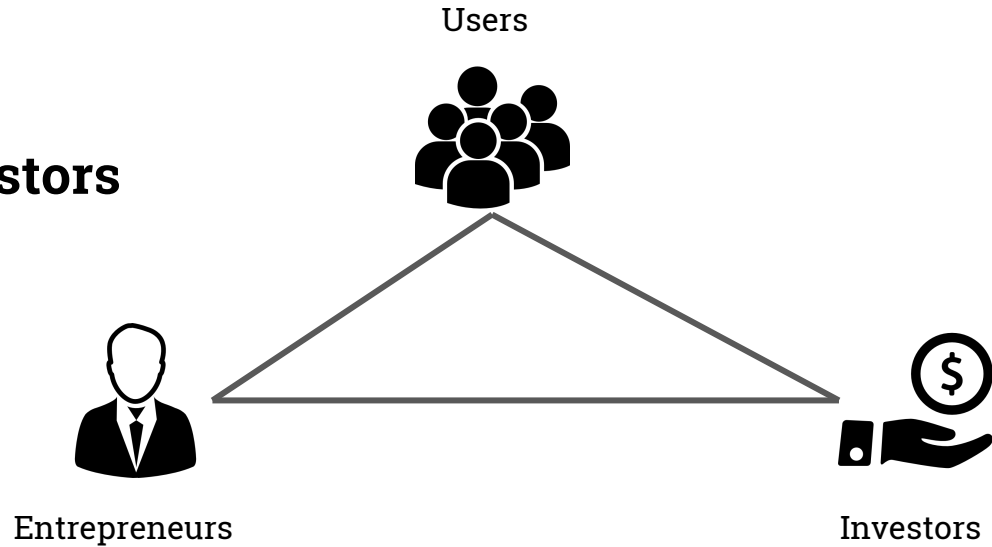


Token network effect



Token Feedback Loop

- Better than free
- **International Investors**

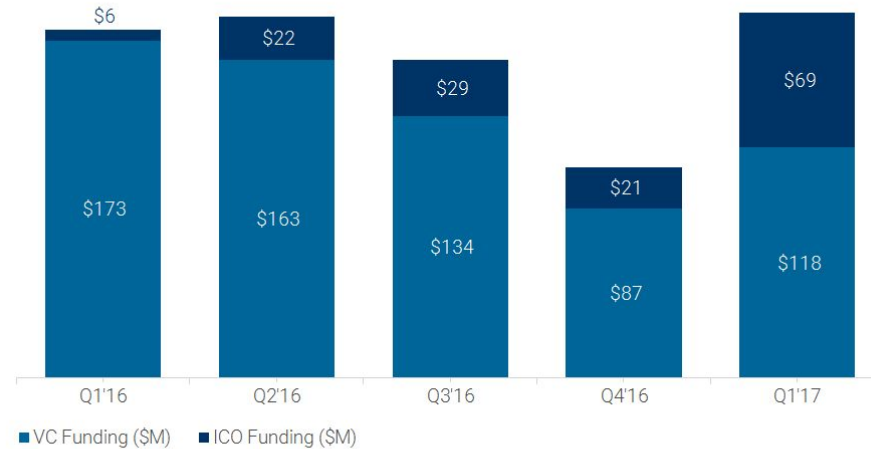


Financing History



VC vs ICO BLOCKCHAIN FINANCING HISTORY

Q1'16 - Q1'17



*ICO funding data does not include \$150M DAO (Q2'16).
ICO data is from TokenMarket and Smith + Crown.*

Who?

- **Nikhil Mohan**
- Lightrains
- Blockchain Consultant

What is a dApp?

Decentralized applications which are **open-source** by license and operates **autonomously**.

What is a dApp?

Application data & records of operation must be

- **cryptographically** stored
- in a **public blockchain**
- must operate/generate **tokens**

Example?

- **PeerName:** Decentralized domain names
- **MyEtherWallet:** client-side tool for interacting with the Ethereum network
- **BlockAuth:** multisignature OAuth-style system for sharing private data with third parties.

more: <https://dapps.ethercasts.com>



Blockchain Interest Group

Thank you for your attention