

## Blockchain

### Types

- Cryptocurrency
- Supply chain management
- Smart contracts

Immutable: the blocks of data property that can't be changed or deleted once its recorded

### BLOCKCHAIN - \* TRUST! \*

#### \* [Keep assets secret] \*

- Enhanced security
  - Creates a record that's immutable → helps prevent fraud & unauthorized activity
- greater transparency
  - Records transactions & data identically in multiple locations
- Instant traceability
  - Creates an audit trail that documents every step of an assets journey
- Increased efficiency & speed
  - Complete transactions faster & more efficient
- Automation
  - Smart Contracts can automate transactions

Blockchain: blocks are packets of data that usually contain a collection of transactions

- Once it reaches data capacity → cryptographic code is given & closed

## USES case

- 1) Smart Contract automatization
  - 2) fraud detection & security
  - 3) data marketplace & monetization  
- ex. Opensea
  - 4)
  - 5) Identification - fraud
  - 6) Crypto trading
  - 7) decentralized AI gate.
- ~~Healthcare~~

[develop a smart contract on opensea]