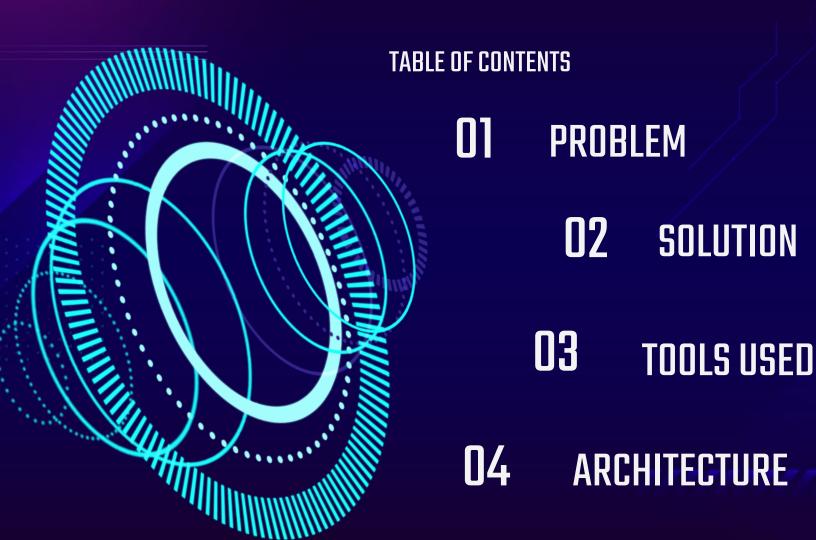


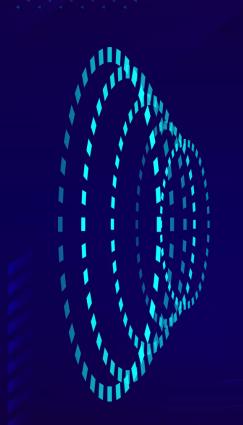
TEAM: DJANGOS ON CHAIN



OUR TEAM

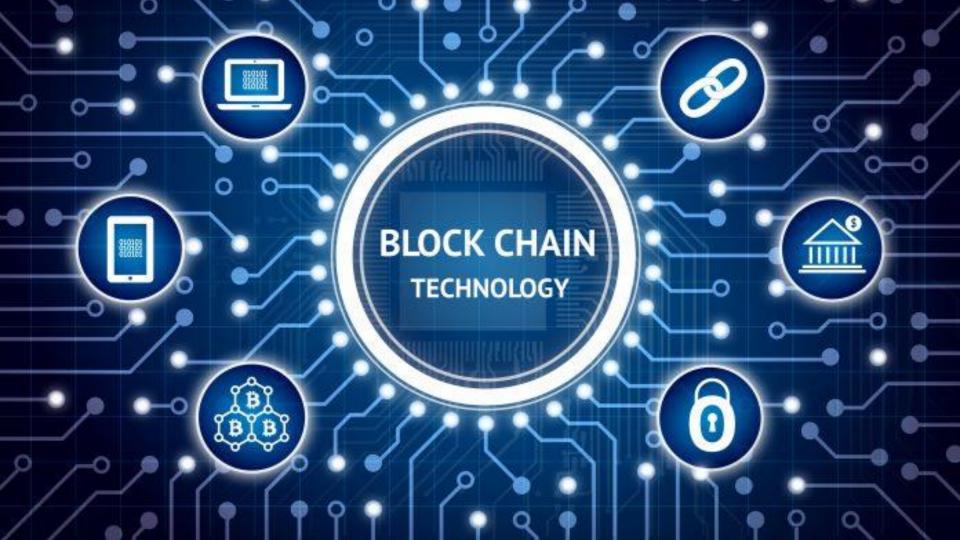






PROBLEM

To design a transaction-keeping application for IoT devices that can keep the IoT transactional weather information in a secure and immutable way without using centralized parties and Cloud technology.



PROPERTIES OF BLOCKCHAIN

DECENTRALIZED

No central authority



SECURITY

CORRUPTION-LESS

Immutability



Keeps digital ledgers and maintains transparency



DISTRIBUTED LEDGERS

Distributes the computational power





BLOCKCHAIN ELEMENTS



PEER TO PEER



CRYPTOGRAPHY



CONSENSUS



REWARD AND PUNISHMENT

SMART CONTRACTS

















SUCCESS!













SUCCESS!





















FAIL!













REFUND







BLOCKCHAIN USAGE AND BENEFITS IN DIFFERENT SECTORS



BANK



INSURANCE



HEALTHCARE



EDUCATION

DIGITAL IDENTITY









SUPPLY AND MANAGEMENT

IOT AND BLOCKCHAIN

No central authority

No single party control over the massive amount of data the IoT devices generate.

Encryption

Encryption makes it virtually impossible for anyone to overwrite existing data records.

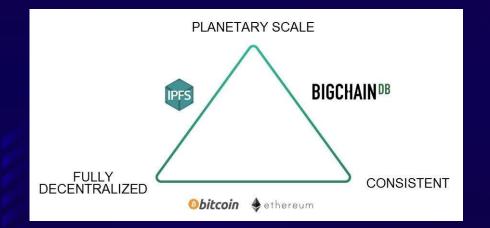
Security

Adds another layer of security to prevent malicious attackers from gaining access to the network.



We have used permissionless
Ethereum based Blockchain
technology to build a
blockchain network for IoT
devices to store transactional
weather information.







ARCHITECTURE



GET



POST

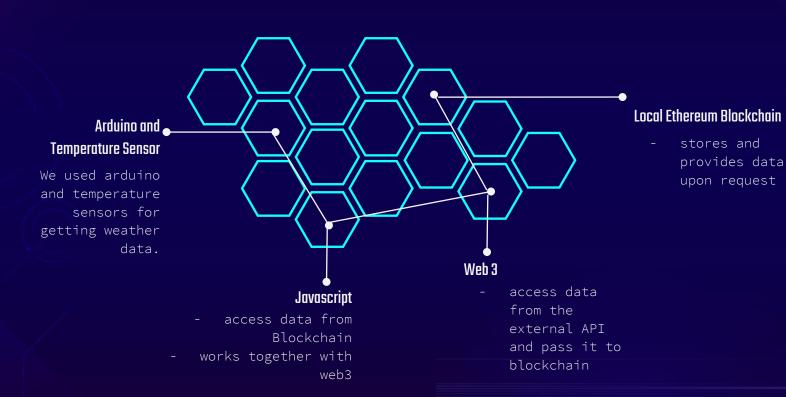


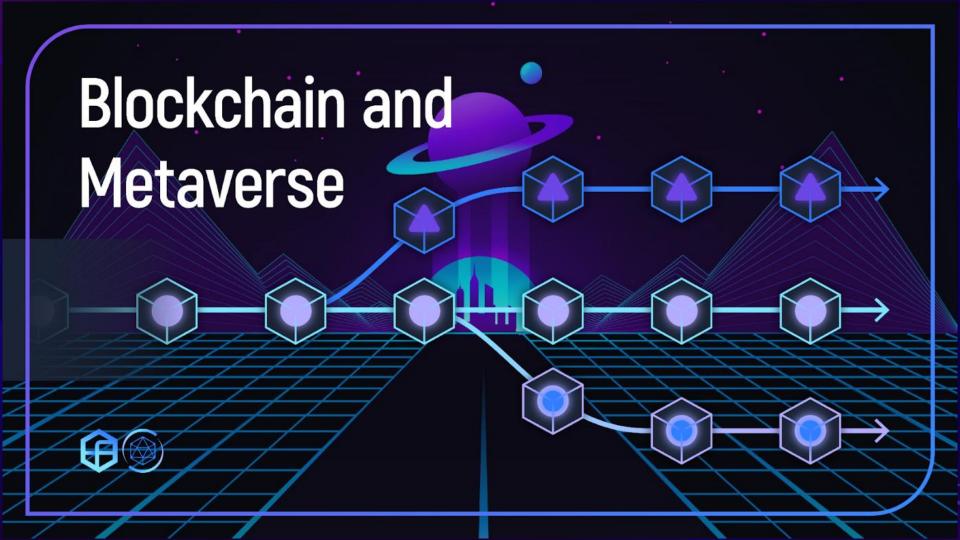
GET





TOOLS USED





THANKS

ANY QUESTIONS?



TEAM: DJANGOS ON CHAIN

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Josue Becerra Rico