

# Blockchain solutions and application

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**PRESENTED BY GIANTHOUSE**

# BITCOIN AND FINANCIAL SECTOR

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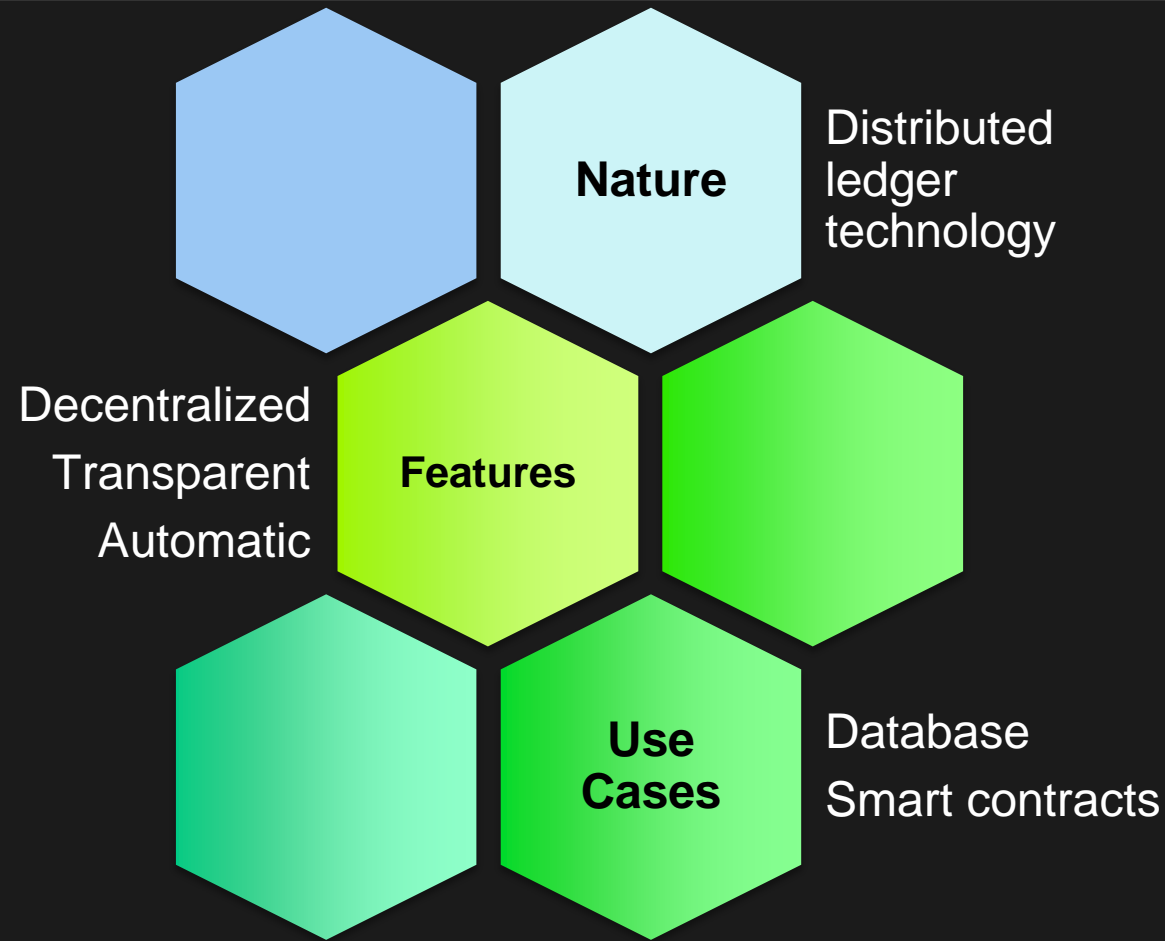
Birth of Bitcoin amid 2008 Financial Crisis

Peer-to-peer cashless payment network

Blockchain brought into public attention

# BLOCKCHAIN IN THE NUTSHELL

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# IMPLEMENTATION: ETHEREUM

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## Basics



- Second largest crypto in terms of market cap
- Development of smart contracts
- Popularity due to ICO

## Drawbacks



- Proof-of-Work, need mining
- Requires gas for generating transactions



# IMPLEMENTATION: HYPERLEDGER

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## Background

- ❑ Started by Linux Foundation
- ❑ Umbrella of frameworks
- ❑ Smart contracts called Chaincode

## Features

- ❑ Permissioned blockchain
- ❑ Suitable for enterprise-grade applications

# USE CASES – FINANCIAL SERVICES

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Trade finance



Clearing and settlement



Cross-border payments



Know your customer (KYC)



Supply chain finance



Properties transaction

**Major benefits:** Blockchain can significantly **reduce processing costs and efficiencies** for organizations, saving billions of dollars

# DEMO: MORTGAGE DAPP

