



# **Block Chain and Bitcoin**

At the end of this session you will be able to:

- Understand what is Blockchain and Bitcoin
- Identify features of Blockchain
- Define Blockchain Use case in Different Domains
- Understand Blockchain Trends – Job, Salary
- List who Should Go For Blockchain Technology Jobs?

# What is Blockchain & Bitcoin?

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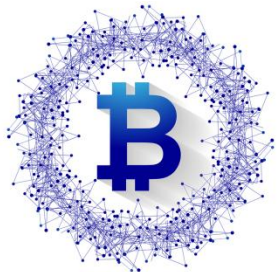
Blockchain Technology is the latest buzz in the industry today



Bitcoin is the implementation of Blockchain

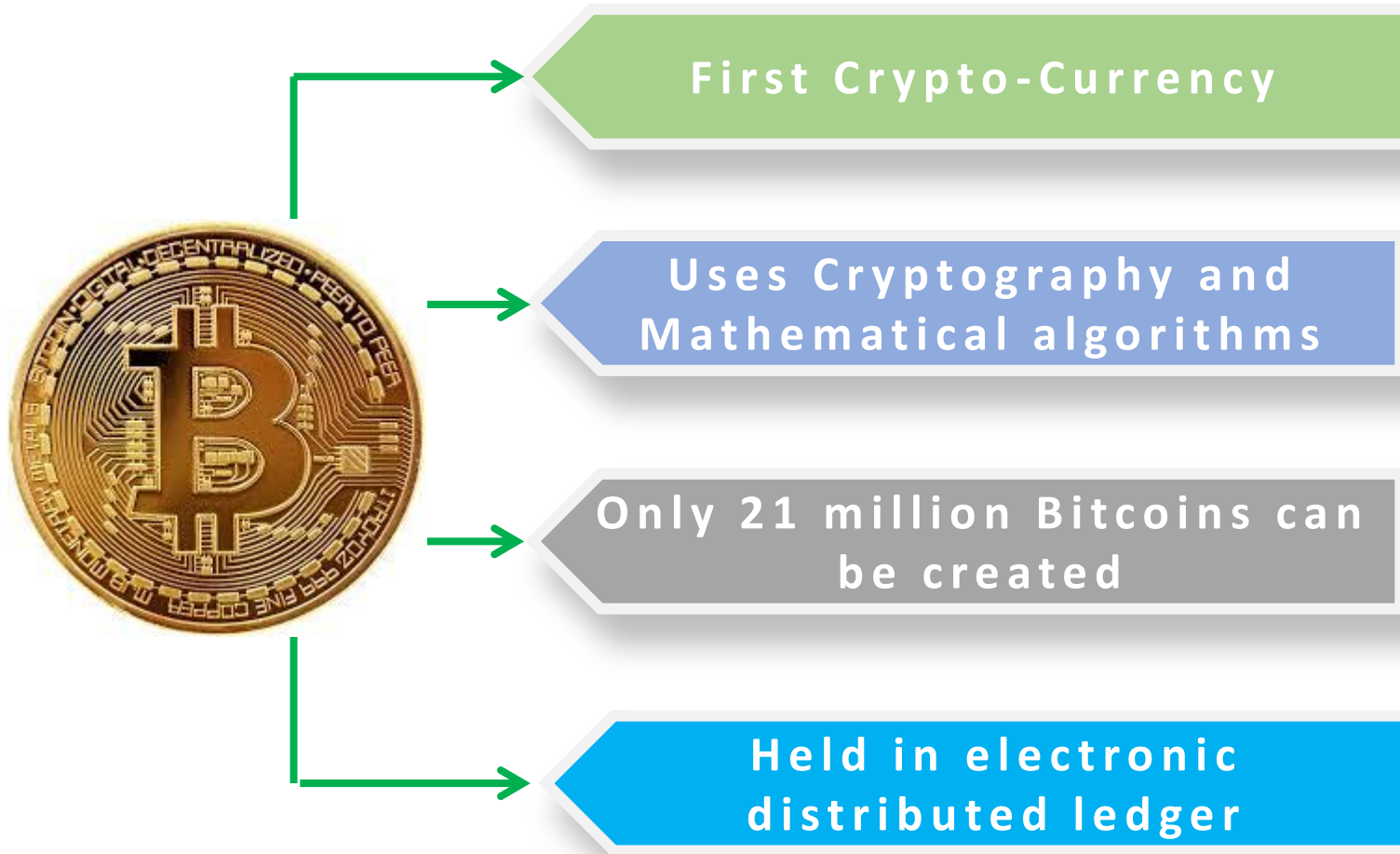


Bitcoin came into existence with the introduction of Blockchain's whitepaper in October 2008



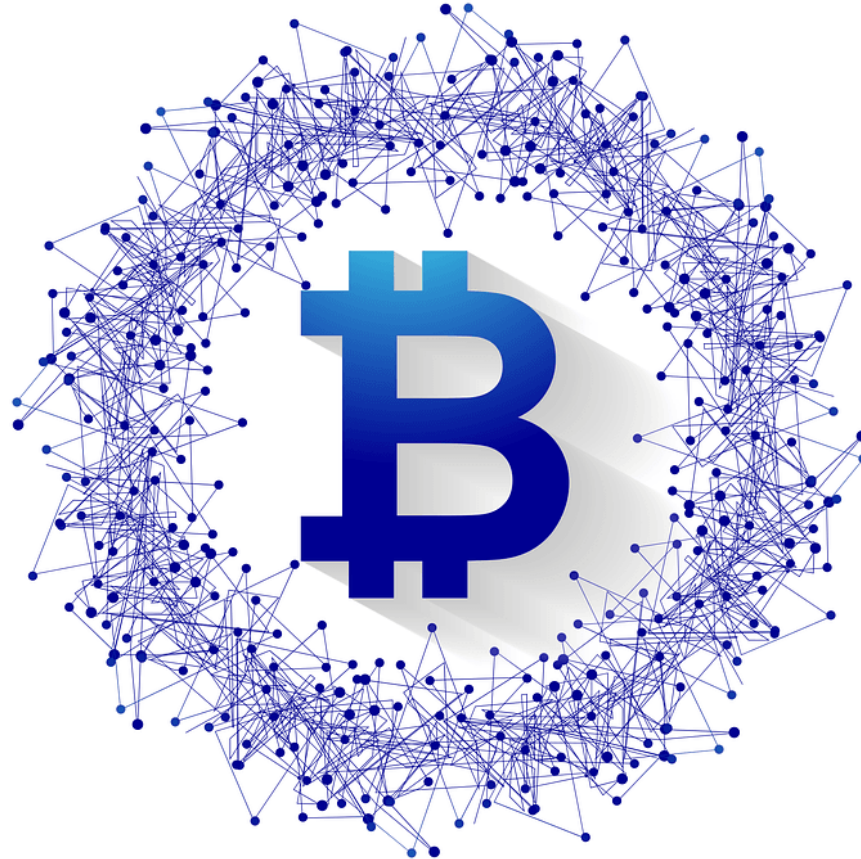
Blockchain is a continuously growing list of records called blocks linked and secured using cryptography

# What is a Bitcoin?



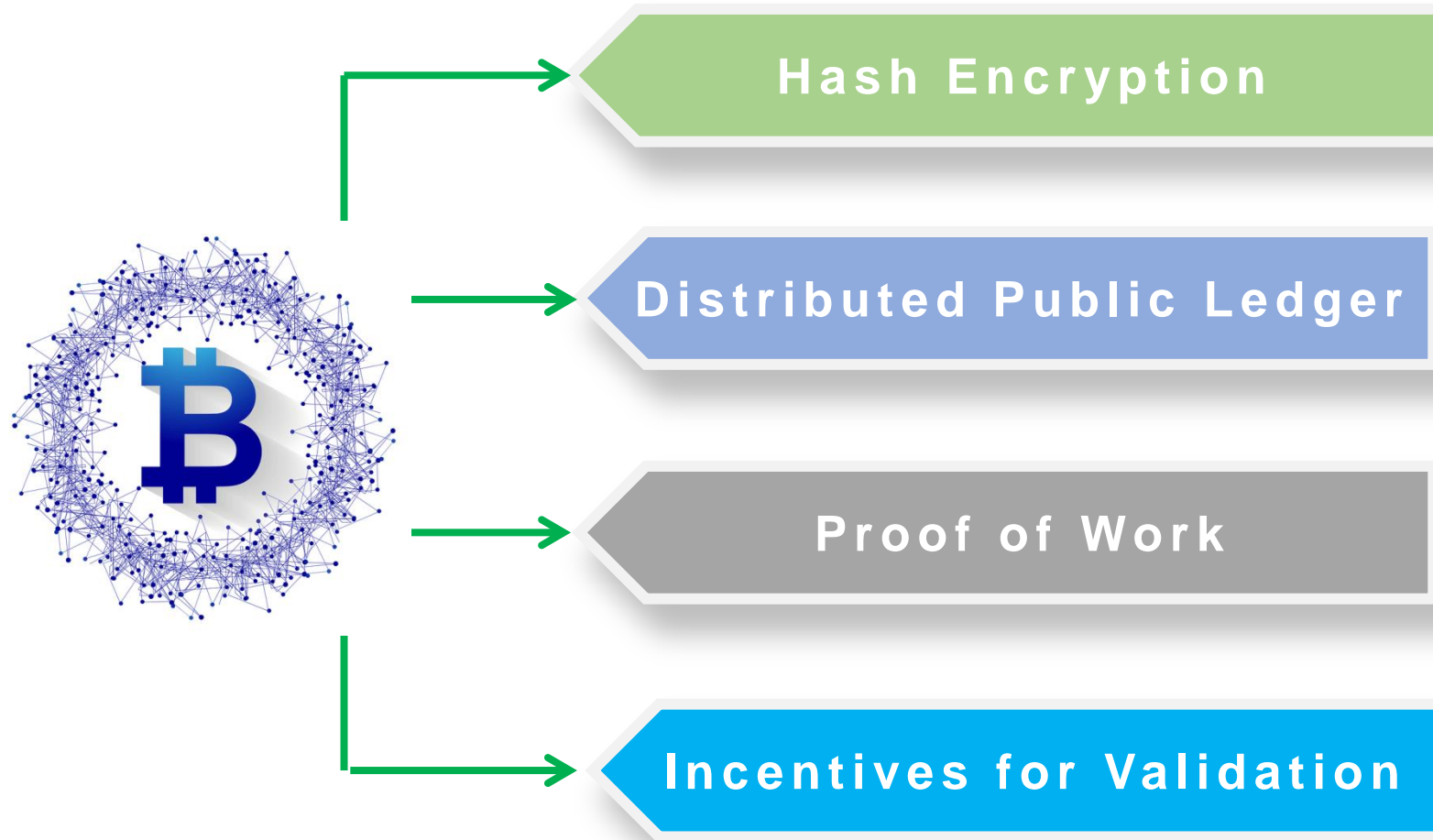
# What is Blockchain?

Blockchain is the technology behind Bitcoin.



# Features of Blockchain

# What is a Bitcoin?





# Blockchain Use Cases

# Industries Blockchain Will Disrupt



Financial services



Voting



Real Estate



Music Streaming



Supply Chain and  
Management

# Industries Blockchain Will Disrupt



Financial  
services



In September 2016, Barclays carried out the world's first trade transaction using blockchain



NASDAQ will soon run Blockchain trading

# Industries Blockchain Will Disrupt



Voting



Estonia, a small Baltic nation is the first to implement Blockchain based E-Voting System



Followmyvote is world's first open-source online voting solution based on blockchain

# Industries Blockchain Will Disrupt



Real Estate



Solves issues of huge paperwork and high agent fees

UBITQUITY

Using Ubitquity, anyone can manage, track, and transfer land titles and property deeds

# Industries Blockchain Will Disrupt



Music Streaming



Artists lose up to 86% of the proceeds from their music because of illegal downloading



**MYCELIA**

Mycelia is a Blockchain based platform for artists to sell their work directly to customers

# Industries Blockchain Will Disrupt



Supply Chain and  
Management



Middlemen in supply chains take time, add costs, and make mistakes often

## PROVENANCE

Provenance facilitates “transparent and traceable” trade on the Blockchain

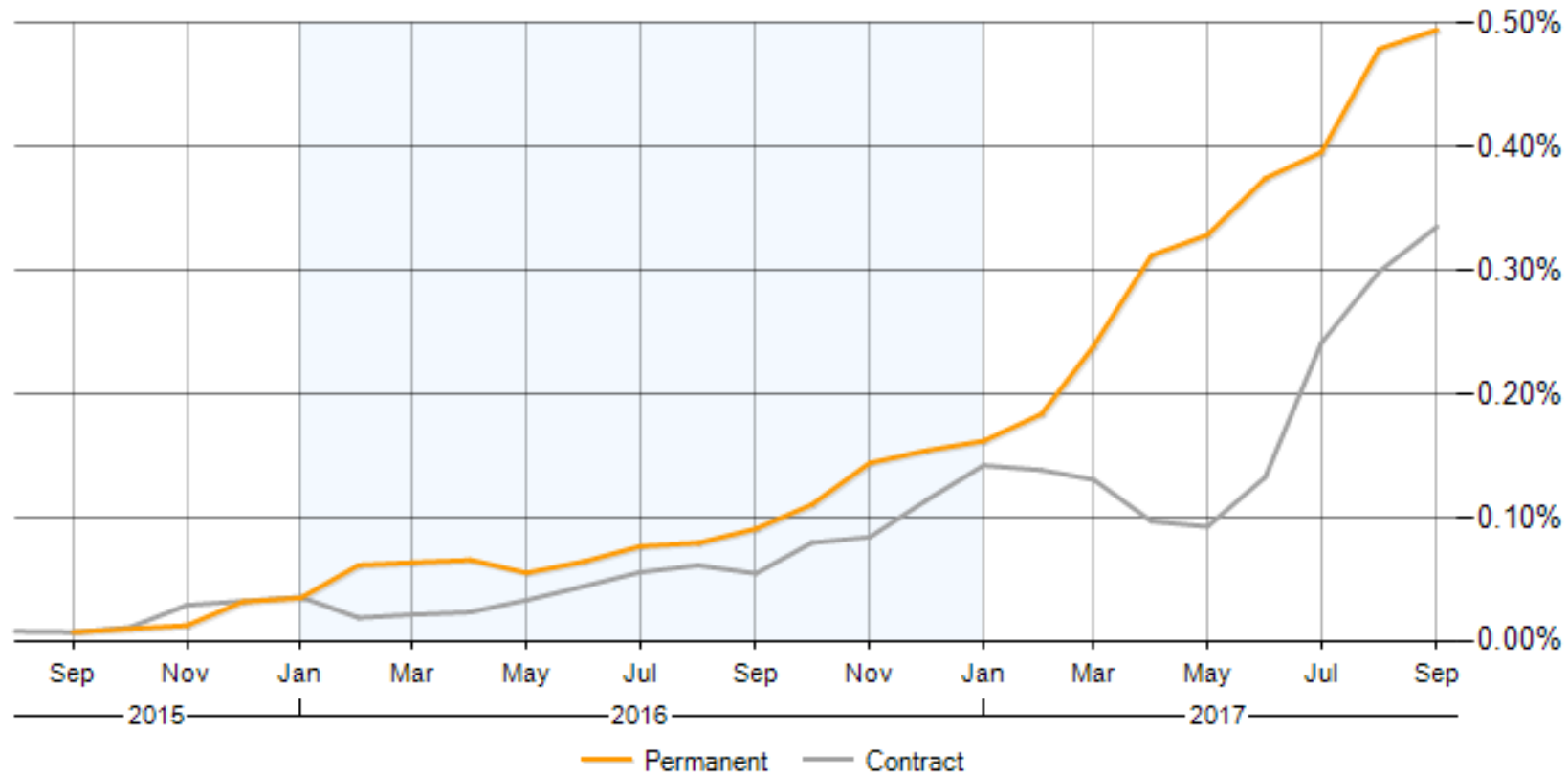
# Blockchain Trends



# Blockchain Job Trends

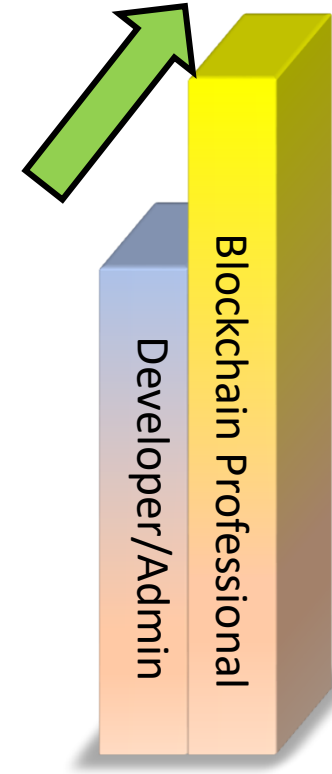
## Blockchain Job Vacancy Trend

Job postings citing Blockchain as a percentage of all IT jobs advertised.



Source: [itjobswatch.com](http://itjobswatch.com)

- On an Average, 40-50% higher than majority of profiles
- Similar trends across geographies i.e. US, IN



Source: **Glassdoor.com**

# Who Should Go For These Roles?

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If you are a **Cloud Professional!**

## Blockchain Developer

### Qualifications & Requirements :

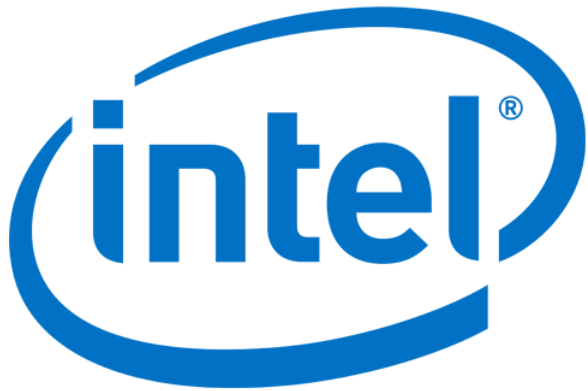
1. Good knowledge of blockchain and their providers e.g. Ethereum / Multichain / Hyperledger / Multichain/ Ripple.
2. Experience working with Node.JS, Python, Go/Rust and JS frameworks (solid understanding of vanilla JS)
3. Comfortable working with both relational and NoSQL data stores
- 4 .Knowledge of **cloud infrastructure technology** such as **AWS**, **Google Cloud**, **Microsoft Azure** etc.
- 5 .Need to be comfortable working with Linux and have a good understanding of OS internals



# Who Should Go For These Roles?

If you are a **Developer!**

## Blockchain Architect



### Qualifications

Qualification: Bachelors or Masters in Computer Science, Computer Engineering, Electronics Engineering, or equivalent degree with 10+ years of experience.

Demonstrated proficiency in **Python development, C/C++, Java or Go**. Strong skills in Distributed Systems and Databases . Experience in Linux technology and product development. Demonstrated experience contributing to Open Source projects. Good understanding of computer networks and system software. Adept at diagnosing and debugging software issues. Solid verbal and written communication skills & strong analytical and problem solving skills.

# Thank You

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