Potential Disruptions

Blockchain Use Cases



EDUCATION

- Increase in fraudulent certificates
- Blockchain can be used to check the validity of certificates
- KBA Certichain



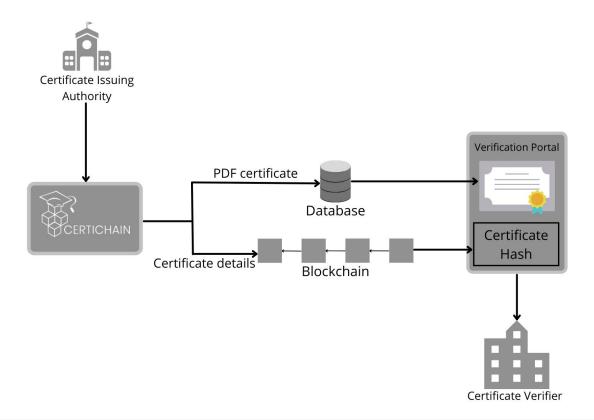
University can issue a certificate with a unique code and store the necessary details in blockchain



Anyone can verify the credibility either by scanning QR code or by a verification portal



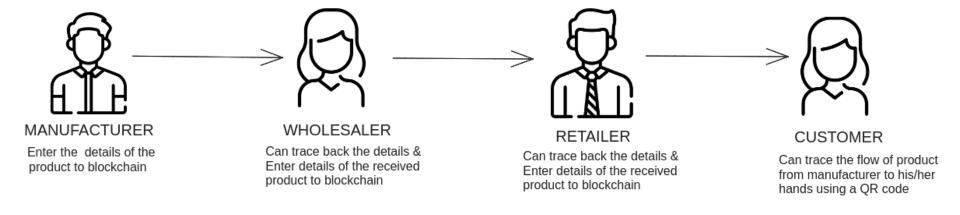
Certichain





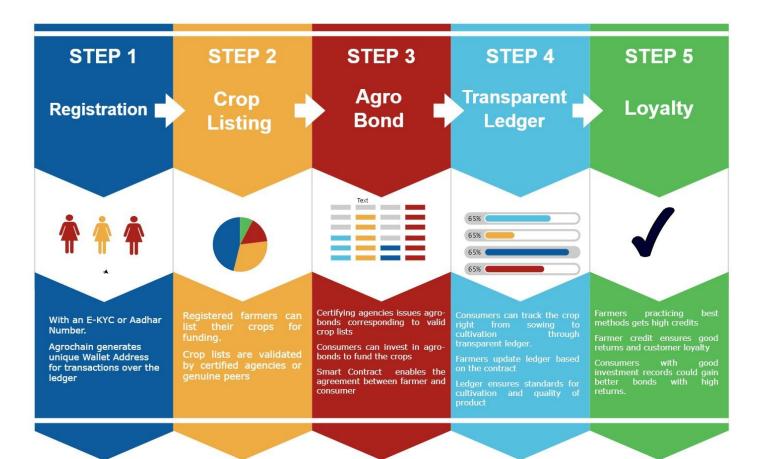
SUPPLY CHAIN

Track the life cycle of a product from the manufacturer to the end user





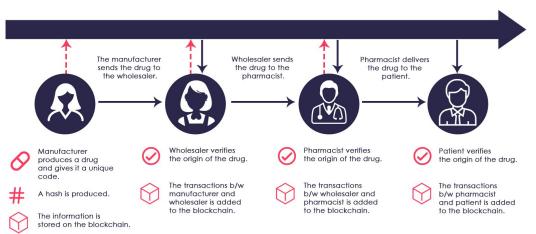
AGROCHAIN





HEALTHCARE

- Single ledger for patient data shared across different healthcare providers.
- Drug or medicine traceability from manufacturers to end consumers.
- Vaccine traceability ledger from clinical trials to final regulatory approval.



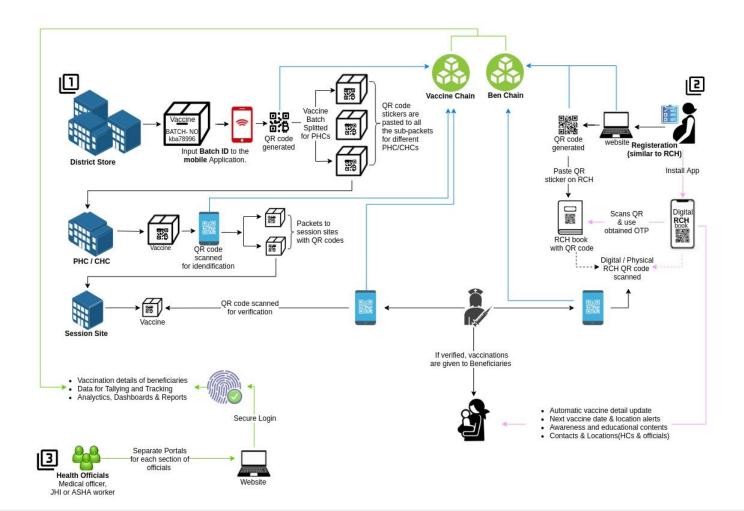


Blockchain Vaccine Traceability



- As a solution to the improvement of the immunization status of the country and create proper monitoring of the program, Kerala Blockchain Academy has developed-Immunochain.
- This project aims to provide an immutable identity for the supply side (vaccines) and beneficiary side (mother & child) under the Universal Immunization Program (UIP).
- The real-time data of the vaccine administrations received through **Immunochain** is intended to be beneficial for the healthcare officials to improve the effectiveness and coverage of the immunization process.







GOVERNMENT SECTOR

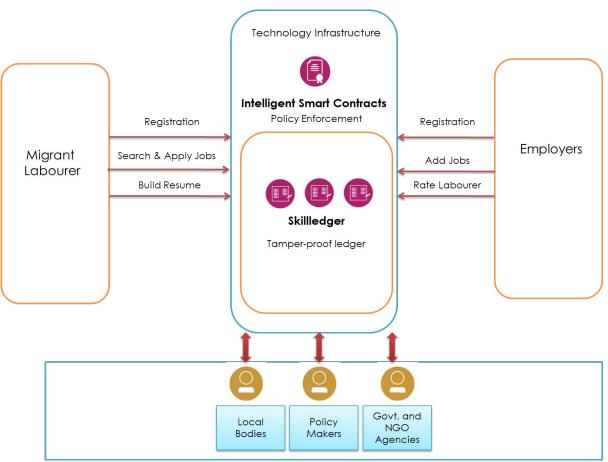
- Land Records
- Welfare Distribution
- Digital Identities





SkillChain

An Inter-State Migrant Job Portal





ART

- Problems faced by artists
 - Ownership issue
 - Lack of provenance
 - Unavailability of market
- NFT
- Advantages
 - Digital ownership
 - Provenance
 - **Global Market**
 - Royalty



Beeple - Mike Winkelmann

Beeple sold an NFT for \$69 million

Through a first-of-its-kind auction at Christie's



Crypto Collectables

The most direct and no brainer use case of blockchain in gaming.

The crypto collectables are mainly in game objects (assets) that use blockchain for the following features:

- Ownership of the object.
- Guarantee the Rarity of the object.
- Ensure the uniqueness and non duplicability of an object.











Games in Blockchain: CryptoKitties



CHEAP









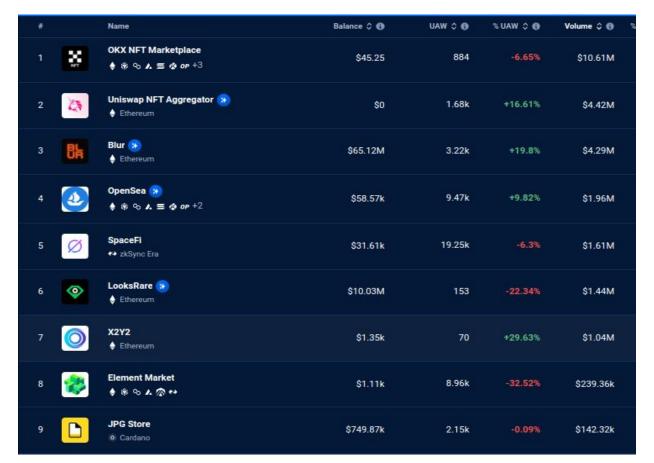








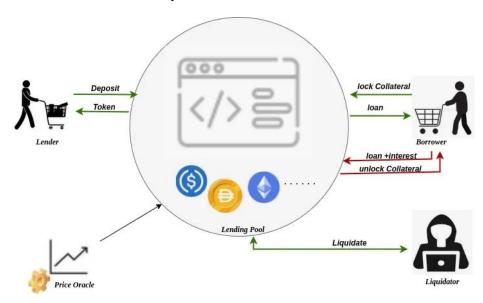
NFT Marketplaces





FINANCE

- Reduce opacity of financial activity
- Blockchain can make financial transactions transparent
- Lending & Borrowing





DeFi Apps: DappRadar.com

1	SMPLE	SimpleFX Bthereum	\$0.409	4.18k	+1.01%	\$250.59M
2	8	PancakeSwap V3 🏵	\$268.47M	62.43k	+6.24%	\$180.15M
3	8	1inch Network 38	\$27.45k	13.95k	-11.37%	\$115.26M
4	0	Odos ♦ ⑧ ∿ ♪ ⑤ op ☎ +2	\$91.97k	20.33k	-5.23%	\$53.66M
5	*	Stargate 39 ♦ 88 % 14. 80 0P 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$378.09M	53.34k	-4.3%	\$42.21M
6	6	Minswap & Cardano	\$2.63B	2.41k	-57.35%	\$22.78M
7	9	ReactorFusion ◆◆ zkSync Era	\$2.5M	6.11k	+6.82%	\$18.68M
8	2	EraLend ◆→ zkSync Era	\$815.89k	9.01k	+11.78%	\$16.97M
9	P.	Aave V3 → ♦ ♀ ♠ ♀ ♠ ♀ ∧ ₩ ⊗ op ♠	\$6.28M	2.36k	+5.34%	\$15.27M



Use Cases



Ethereum Push Notification Service (EPNS).

A Notification Protocol which enables users (Wallet Addresses) to receive notifications.



Status combines a peer-to-peer messenger, crypto wallet, and web3 browser into a private and secure communication tool.



Polygon is a protocol and a framework for building and connecting Ethereum compatible blockchain networks. Bengaluru-based blockchain technology startup.



Chainlink a secure decentralized oracle network.

Built on Ethereum.

Connecting smart contracts to real world events like payments



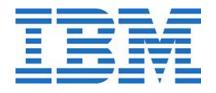
Use Cases [Use Case Tracker]



Project Falcon - Streamlined Blockchain Payments and Deployment Solution

To construct and deploy efficient blockchain payment systems.

In-Development



IBM Digital Health Pass

Platform for individuals and organizations to manage and verify health-related information.

In-Production



Corsha's identity-first platform gives organizations full visibility into their APIs and the machines that are accessing them.

In-Production



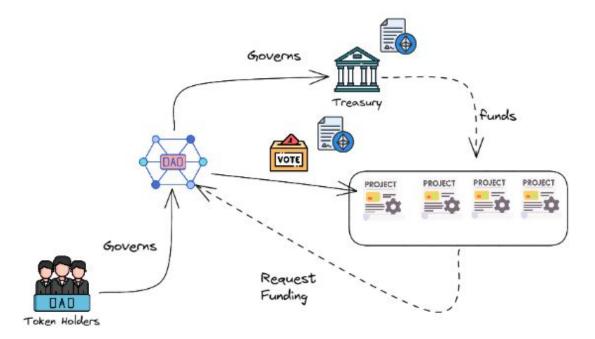
Infosys has partnered with Riverside County, California to reimagine the public records validation

Verifying credentials and certificates, such as birth certificates, marriage licenses etc

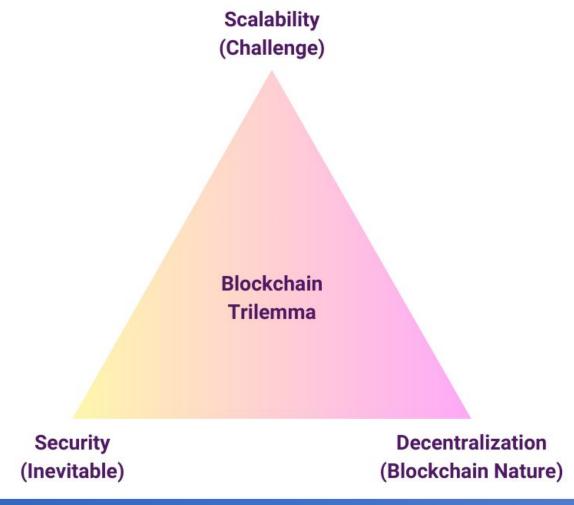


Decentralized Autonomous Organizations

Internet-native organizations that are managed and owned by their members









From Hype to Adoption

- More than 50% of global organizations view blockchain as a strategic priority.
- Global spending on **Blockchain Solutions** is **\$19 billion in 2024.**(IDC 2020)
- Blockchain Market-size is expected to be \$39 billion in size by 2025. (Cision PR Newswire, 2020)
- There are more **3,000 blockchain startups** registered on AngelList.
- The **US accounts for 56**% of the global **blockchain investments**.

An Opportunity for You..?



Career Opportunities



- **Blockchain Development:**
 - Smart contract development, decentralized applications (dApps), and blockchain infrastructure.
- Crypto and Tokenomics:
 - Tokenomics design and financial analysis.
- Decentralized Finance (DeFi):
 - Developing, managing, and analyzing DeFi protocols and products.



Career Opportunities

- Non-Fungible Tokens (NFTs):
 - Creation, marketing, and management of NFTs in various fields such as art, music and gaming.
- Web3 Marketing and Community Management:
 - Managing online communities, social media, and content creation for Web3 projects.





JOB OPPORTUNITIES

- Blockchain Developer
- Blockchain Analyst
- Blockchain Architect
- Blockchain Quality Engineer
- Blockchain Consultant
- Research & Development
- Community Manager... and many more













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