Web 3 Overview

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My Bio

- IT Leader in Healthcare
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- Crypto & NFT Enthusiast
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Web 3 Overview



Building platforms for the next era of the web



FIGURE 2

Three tiers of IT infrastructure and building the Spatial Web

Deloitte Insights | deloitte.com/insights

Agenda

- Web 3 Drivers/Components
- DAOs
- DeFi
- Stablecoins and CBDCs
- Creator Economy & NFTs
- Blockchain based Games
- Key Challenges and Opportunities
- Talent Landscape
- Future

Web 3 Landscape

"We believe that the next wave of computing innovation - along with entirely new sectors of the economy - will be built on decentralized technology. -Andersson Horowitz (a16z)

- Drivers/Components
 - Web3 applications
 - Decentralized Autonomous Organizations (DAOs) ٠
 - Decentralized Finance (DeFi)
 - Stablecoins & Central Bank Digital Currencies (CBDCs)
 - Creator Economy
 - Blockchain Based Games •

Web3 Applications

- core infrastructure
- Alternative to broken digital status quo controlled by FANGs
- limiting access to outsiders from the companies
- that build and maintain them.

Communities are incentivized and rewarded for maintaining and developing

Failed innovation due to centralized networks, controlling the development and

Web3 provides public platforms with Crypto incentives for the communities

Decentralized Autonomous Organizations (DAOs)

- Online member-owned communities governed by • consensus of their members instead of centralized leadership
 - Decentralized rules can't be changed by single individual or entity
 - Autonomous no human intervention but votes • tallied and decisions implemented through smart contract (On-chain governance)
 - Organizations entities that coordinate activities • among stakeholders
- Emergent governance model build around transparency and inclusion



RELATIVE SEARCH INTEREST FOR

Decentralized autonomous organization



Decentralized Finance (DeFi)



- DeFi decentralized applications for saving, lending and exchange
- dApps permanent and open applications written in a series of smart contracts
- Payment blockchains enable peer-peer digital transactions
- Cryptocurrencies like money, unit of account, store of value and medium of exchange



How It All Began!







Cryptocurrency

- Digital Currency allowing users to send online payments quickly anywhere in the world without having to go through bank and without any government oversight
- New way to fight corrupt and oppressive governments, as it aims to remove governments from financial transactions completely by anonymously
- Ideally requires nothing more than an Internet connection to start trading cryptocurrency
- Taken financial world by storm due to its underlying technology called blockchain



Why it matters?





Sources: apps.apple.com paxful.com paybls.com

- More and more companies and countries are adopting cryptocurrencies
- Countries including China are introducing their own digital currencies
- Many major brands are beginning to accept cryptocurrency payments

Why Crypto and Blockchains Matter

- transfers of actual value
- institutions
- Payment blockchains open up access to financial services to unbanked/ underserved people worldwide
- Crypto can provide safer store of value in countries with hyperinflation

Cryptocurrencies allow low cost, nearly instantaneous, borderless, peer-to-peer

Low barrier to entry and not subject to business hours in mainstream financial

Mobile wallets make it cheaper for immigrants to trasfer money to their homeland



Crypto Market Information





Stablecoin and Central Bank Digital Currencies (CBDCs)

- Stablecoin: Privately-issued cryptocurrency that maintains stable value relative to another asset for e.g., USD, Euro, Fiat-collateralized stable coins
- CBDCs Issued by governments and represent sovereign obligations
- Advantages over crypto without volatility and effective medium of exchange
- Enable on-chain transactions including modernizing global payment systems
- CBDCs offer many of the benefits of stablecoins but may raise privacy and security concerns.

Top 5 Stablecoins Market Cap and Trading Volume in 2021 Market Cap. Total Volume Traded ——— Total Market Cap — - — Trendline (Market Cap) 180B 160B 140B 120B 100B 80B 60B Jul 21 Aug 21 Sep 21 Oct 21 Nov 21 Dec 21 Jun 21 Apr 21 May 21 7400.00 (790170) TPID./D(TID927 F\$3.30 (T343070) Data source: CoinGecko



Creator Economy



Data source: Dapp Radar

- Creator Economy: Communities of creators - artists, musicians, game developers - connect directly to their supporters without middlemen
- Fungibility: Unit of a good is indistinguishable and mutually interchangeable
- Non-Fungible Token (NFT): attaining a value due to uniqueness



What is NFT?

FUNGIBLE ASSETS

CAN BE TRADED INTERCHANGEABLY







NON-FUNGIBLE ASSETS

CANNOT BE TRADED INTERCHANGEABLY









PROS AND CONS OF NON-FUNGIBLE TOKENS

PROs

UNIQUE

Metadata is used to tell different assets apart

SCARCITY Copyright owners have the ability to limit availability

VERIFIABLE Blockchain technology can prove an individual's ownership

TRANSFERRABLE Can be freely traded securely

AUTHENTICITY Fraud prevention through Blockchain

CONs

UNREGULATED & UNSTABLE

Like cryptocurrencies, the value of NFTs is determined entirely by market demand and not regulated by an authority like a central bank, making it volatile

STILL NEW

It is still an emerging technology and the public has yet to understand NFTs well enough for widespread adoption

COMPLEXED

Building decentralised applications for NFTs can be time consuming and difficult

Mint Process



Steps for Buying NFT

- Setup Crypto Currency Wallet
 - Determine Type of wallet
 - Hardware (Trezor, BitBox)
 - Software (Metamask, Trust)
 - Buy or download wallet
 - Install Software
 - Setup account and security features
 - Store the pass phrases, password safely
 - Deposit your crypto currency

- Identify the project in marketplace or discord or social media
- Top up the crypto wallet for the NFT
- Go to the official site
- Connect your wallet (Chrome, Firefox)
- Click on the Mint button
- Wallet will prompt for your confirmation on the Gas fees etc.,
- Confirm and transaction will go through
- NFT will show up in the assets of Wallet

NFT Metrics





Collections





\$11.75 Million



\$6 I	Mil	lion
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Tips For Investing

- Only use the official sites
- Check the drop page and connect to Twitter and • Discord
- Verify number of users and the hype around the project •
- If there is no community the NFT would be a ghost town after the drop
- Be passionate about something and Disable DMs in Discord, scammers come with all kinds gather them, instead of chasing after of stuff to take your money. money
- Treat it like the money you spend on physical things •
- These may be worth nothing or fund your retirement :-)

- Keep your wallets safe
- Don't share private keys or phrases
- Invest at your own risk

Blockchain-based Games

- another game
- (NFTs) to monetize through trading in secondary markets
- games
- Metaverse Decentraland, Sandbox virtual events and parties

 Games built on blockchain technology where players actually own objects they work hard to acquire, ability to buy and sell these objects or take them to

• New ways for creators of tools, skins, upgrades, avatars, experience points

• "Play-to-earn" models like Axis Infinity, earn real world money for playing video



Game







Metaverse



THE **SANDBOX** WELCOME TO THE METAVERSE

Visit www.sandbox.game to learn more



Marketplaces

- <u>opensea.io</u>
- <u>rarible.com</u>
- <u>nbatopshot.com</u>
- <u>axieinfinity.com</u>
- <u>superrare.co</u>
- Knownorigin.io
- <u>nifty.com</u>
- crypto.com/NFT
- Coinbase NFT



Key Challenges

- Illicit Activities
 - Drug cartels, Ransomware, Darknet
 - Commercial disputes JRR Token, Coinye, Hermes
- Terrorism and sanctions evasion
 - Economic sanctions not impacting Iran and North Korea
 - al-Qaeda and Hamas traffic in crypto
- Environmental harms
 - Bitcoin has a big controversy
- Unregulated Finance
 - Tax evasion, cybersecurity



Investment Opportunities (Not Financial Advise)

			Table	2		
Equities/ETFs	Cryptocurrencies	DAO	DeFI	Wallets/ Exchanges	NFTs	Angel Investors/Capital Ventures
GBTC, META, ETHE, BITO, BITW, BTF, XBTF, BITS, VBB	BTC, ETH, LTC, DOGE, SOL	Deep DAO, DAO Masters, Forefront	Dharma, Telos	Metamask, Trust	Utility	Angelist
SQ, RIOT, MARA, MSTR, COIN, PYPL	Helium, AR, OCEAN, DOT, FIL, THETA, BTT	ENS, Gitcoin, Aave	Colony Lab, Aave, Fantom	Coinbase, Binance, FTX, <u>crypto.com</u>	Sports (NBATOPSHOT, NFLALLDAY, CANDY MLB, UFC, FanCraze)	Syndicate Protocol, South Park Commons
NVDA, AMD			Pancakeswap, Graph, Uniswap, Sushswap	E-Toro	Collectibles (Veve, Candy, Sweet)	
FB, SHOP		BanklessD AO, Proof of humanity, Curve Finance				

Talent Landscape

Top Crypto job families					
	job family	jobs			
1.	Software Engineering	4,021			
2.	Marketing, Growth, & Community	1,388			
З.	Data & Analytics	1,201			
4.	BizOps & Program Management	1,008			
5.	Finance	937			
6.	People	677			
7.	Legal	647			
8.	Design	612			
9.	Product Management	607			
10.	Sales	358			



34K 30K 22K 18K

Developers



March 2022 trueup.io/crypto



🚱 🛛 cointelegraph.com

source: **Electric Capital**

Industry Predictions 2030

- Blockchain leveraged for a majority of world • trade
- Frictionless flows and digital assets
- Identity for all •
- Improvements in Standard of living •

Business Value-Add of Blockchain: \$3.1 Trillion by 2030





Global Non-Fungible Token Market 2018-2028 (USD Million)

Source: Adroit Market Research © 2021



Personal Forecast (5 years)

- There will be FANGs in the Blockchain space
- Bitcoin will be valuable > \$100K and Ethereum > \$10k
- VR/AR adoption in Metaverse after NFT evolution
- Demise of Web 2.0 enterprises (Bold one!)



Hanuman Ape Club NFT

- Exclusive collection of NFTs (2216)
- Generative art
- Date: 4/16/2022
- Whitelist and Presale
- Presale expected
- Ramayana Metaverse and Game
- <u>https://linktr.ee/dhrishtiverse</u>



Summary

- Web 3 Drivers/Components
- DAOs
- DeFl
- Stablecoins and CBDCs
- Creator Economy & NFTs
- Blockchain based Games
- Key Challenges and Opportunities
- Talent Landscape
- Future

Questions & Survey



https://www.surveymonkey.com/r/CCZ7F9P

