


Blockchain, NFTs & Web3

Part 1 - Introduction

Benjamin Meadows | @TheBenMeadows

Who am I?

- Business & IT Executive
- Consultant
- Board Member
- Early Crypto Adopter
- Active in the NFT Community

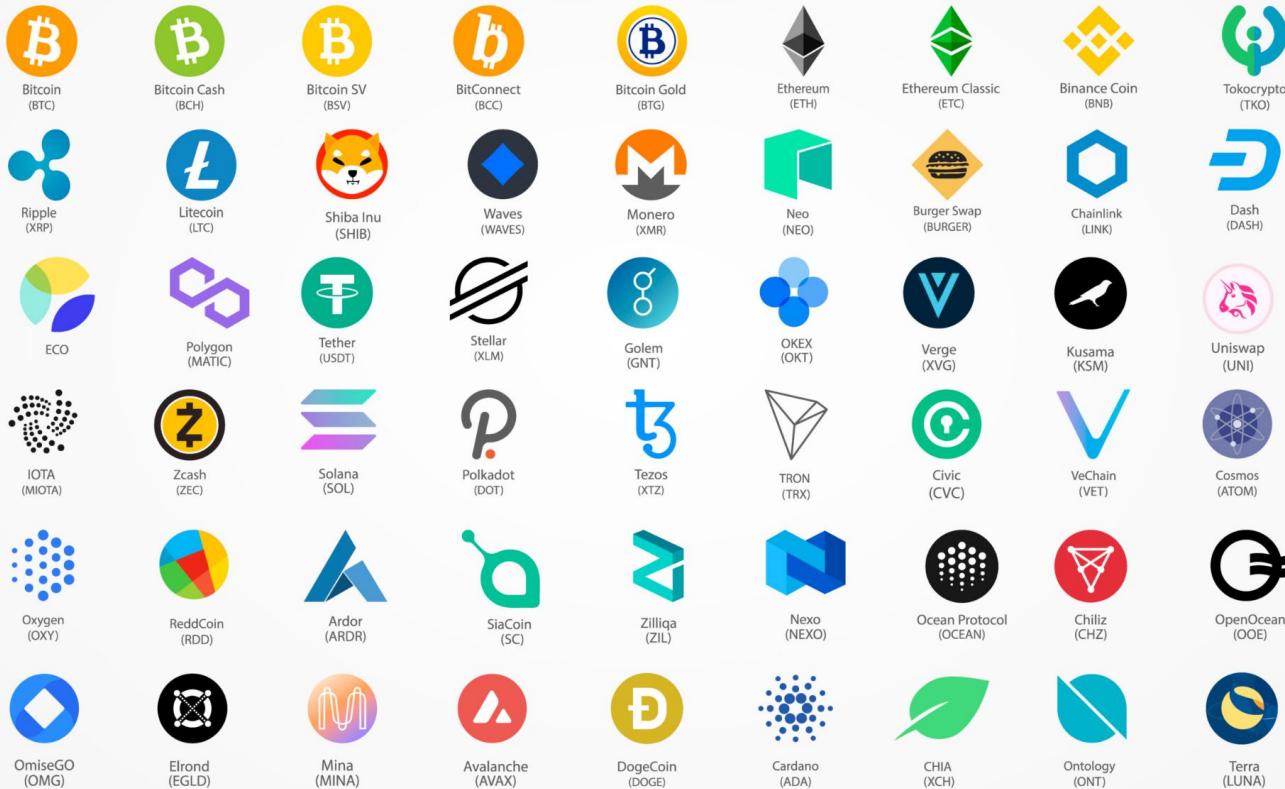
Part 1 - Intro to Blockchain & NFTs

- Important Terms
- History of the Blockchain
- NFTs - Past, Present & Future
- Question & Answer

Important Terms

- Blockchain(s)
 - Immutable Distributed Ledger
 - Examples: Bitcoin, Ethereum, et al.

Cryptocoins



94 Out of Top 100 Blockchain Projects are Built on Ethereum



Exchange

Matcha

paraswap

UNISWAP

linch
EXCHANGE

Kyber
Swap

TOTLE

OpenSea

TOKENLON

IDEX

δY/δX

Oasis

DODO

Jelly
Swap

HEGIC

dex.blue

Harvest

mSTABLE

Idle

opyn

PieDAO

liquality

SushiSwap

Rarible

SWERVE

DeversiFi

Dolomite

WBTC.Cafe

DEX.AG

DDEX

AIRSWAP

Curve

SuperRare

atomex

MyCrypto

FURUCOMB

Fortmatic

Centrifuge

LOOPRING

Bancor

zkSync

StablePay

Sablier

DAI

Frax

USD Coin

TrueUSD

HARBOR

Groundhog

openfinance

MULTIS

blocknative

bZx

InstaDApp

connect

hydro

Asset Management Tools

AlphaWallet

Trust Wallet

METAMASK

DeBank
Your DeFi Wallet

nansen

DEFI PULSE

chainbeat

Zapper.fi

Pools⁺

LoanScan

Dune
Analytics

DeFi Explore

Bloxy

TokenTerminal_{_}

Croco Finance

infinito
wallet

Infrastructure & Dev Tooling

alchemy

0x

Set

Chainlink

Dfuse

LMA

Ren

wyre

PayTrie

xDai STAKE

R Request

NEUFUND

GEMINI
dollar

DIGIX

SECURITIZE

hummingbot

Service

Matic

Celer

OMG
NETWORK

Ampleforth

Stablecoins

WBTC

PAXOS

connect

Important Terms

- NFT = Non-Fungible Token



101 Blockchains



Fungible

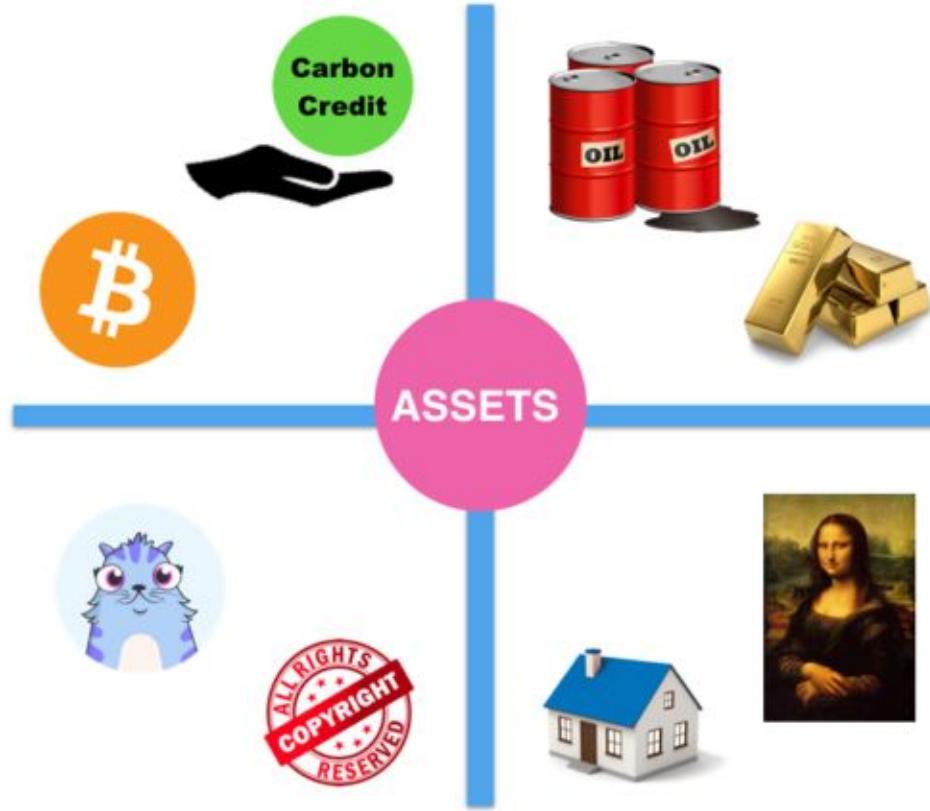
VS



Non-Fungible

NON-FUNGIBLE

FUNGIBLE



Intangible

Tangible



Web 1.0

- _ Basic Web Pages
- _ Html
- _ Ecommerce
- _ Java & Javascript



Web 2.0

- _ Social Media
- _ User Generated Content
- _ Mobile Access
- _ High-quality Camera & Video
- _ Apps
- _ Corps Monetizing Your Data
- _ High-speed Communication
- _ Global Internet Access



Web 3.0

- _ Semantic Web
- _ dApps
- _ Users Monetize Their Data
- _ NFTs
- _ VR & AR (Metaverse)
- _ Permissionless Blockchains
- _ Artificial Intelligence
- _ Interoperability

1990 - 2005

2006 - PRESENT DAY

IMMINENT

Web 1.0

“Read Only”,
Decentralized



Web 2.0

Participatory,
Centralized

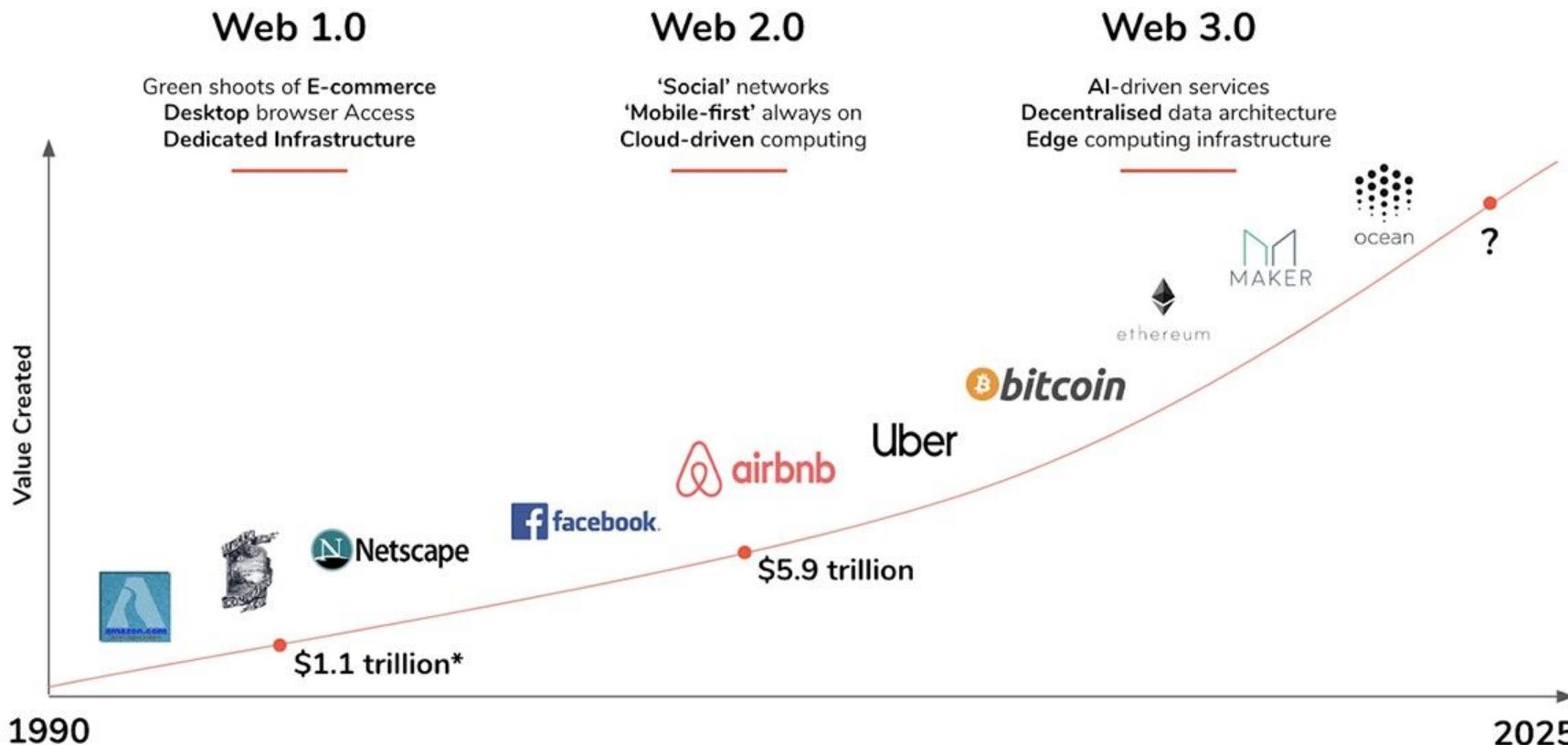


Web 3

No Intermediaries,
Decentralized

The Evolution of the Web

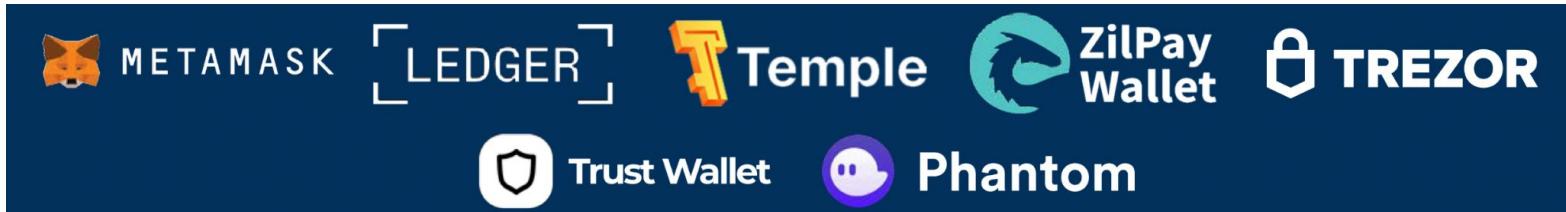
FABRIC
VENTURES



* Internet companies market cap as of 2000

Important Terms

- Wallet
- Exchange
- Bridge
- DeFi, CeFi, TradFi



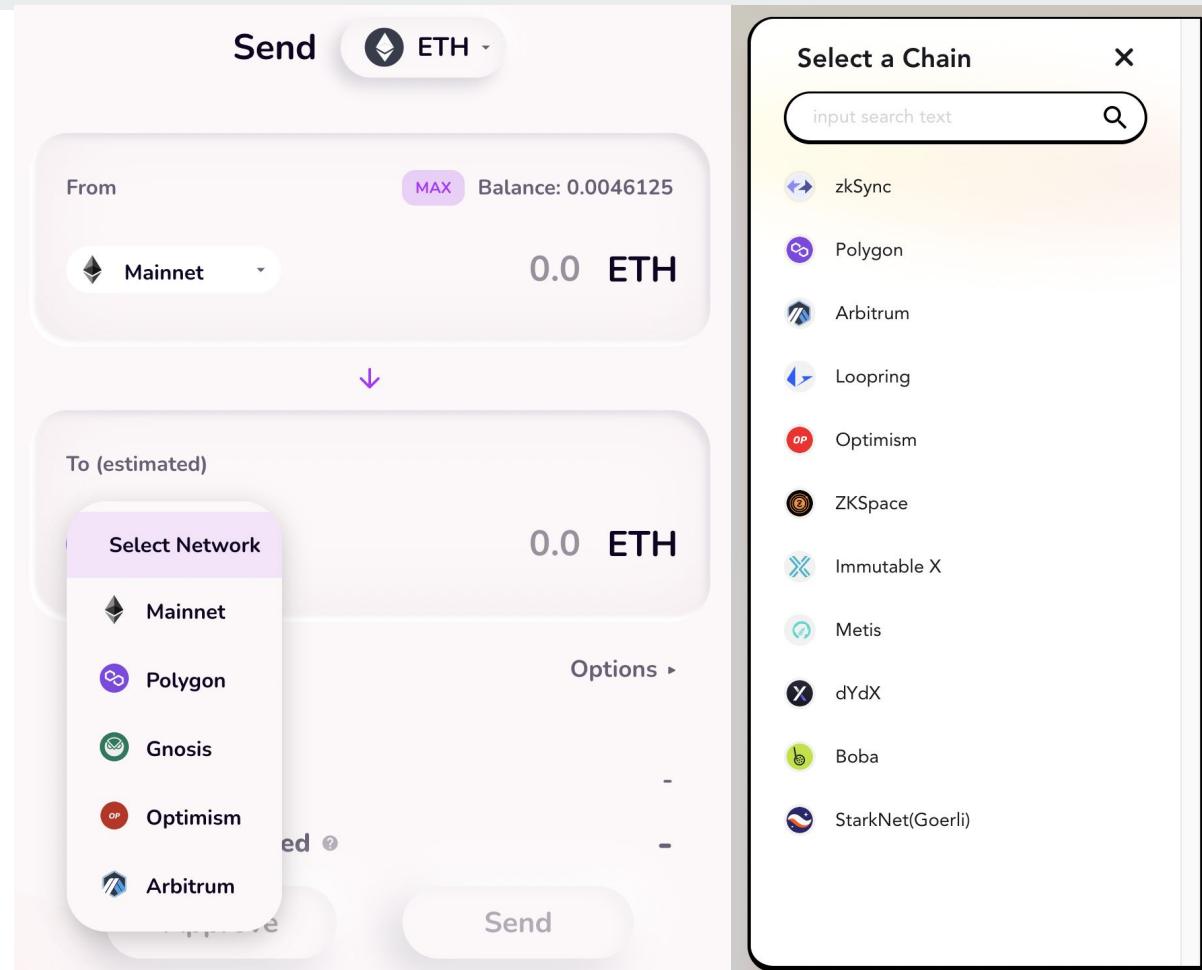
Important Terms

- Wallet
- Exchange
- Bridge
- DeFi, CeFi, TradFi



Important Terms

- Wallet
- Exchange
- Bridge
- DeFi, CeFi, TradFi



Ethereum's DeFi



Payments

- request network
- Protocol
- Dai Card

OPEN PLATFORM

- xDai Chain
- Groundhog
- RAIDEN

Custodial Services

- MyEtherWallet
- ZERION
- argent TRUST WALLET
- METAMASK
- Balance
- MyCrypto

Infrastructure

- connext
- SETTLE
- DutchX
- 0x
- FOAM
- GITCOIN
- Etlance
- Bounties NETWORK

KYC & Identity

- SELFKEY
- SOVRIN
- civic
- JOLOCOM
- uport
- Bloom

Stablecoins

- SYNTHETIX
- digix
- DAI
- USD Coin
- GEMINI dollar
- StableUnit
- AUGMENT
- PAXOS STANDARD
- TrueUSD
- CARBON
- Reserve
- Terra
- Ampleforth

Insurance

- ETHERISC
- Nexus Mutual
- iXledger
- VouchForMe
- ai gang

Exchanges & Liquidity

- DEXAG
- Eth2Dai
- Centrifuge
- AIRSWAP
- Uniswap
- kyber network
- ForkDelta
- Marble
- IDEX
- slow.trade
- RADAR
- ETHFINEX
- TOTLE
- hydro
- LOOPRING
- PARADEX
- Bancor
- Ren

Derivatives

- MARKETPROTOCOL
- expo
- UMA
- veil
- LENDROID
- δY/δX
- DAXIA
- bZX
- VARIABL

Credit & Lending

- LENDROID
- Lendit
- CRED
- Compound
- celsius
- Ripio Credit Network

Investing

- Set
- HARBOR
- 22X
- SWARM
- FETCH
- MELONPORT
- Brickblock
- SPiCE
- bskt
- MERIDIO
- BETOKEN
- SCIENCE BLOCKCHAIN
- SLICE
- MATTEREUM

Marketplaces

- Rare Bits
- district0x
- ORIGIN
- OpenSea

Prediction Markets

- Guesser
- augur
- Bodhi
- STOX
- veil
- GNOSIS

THE BLOCK

Important Terms

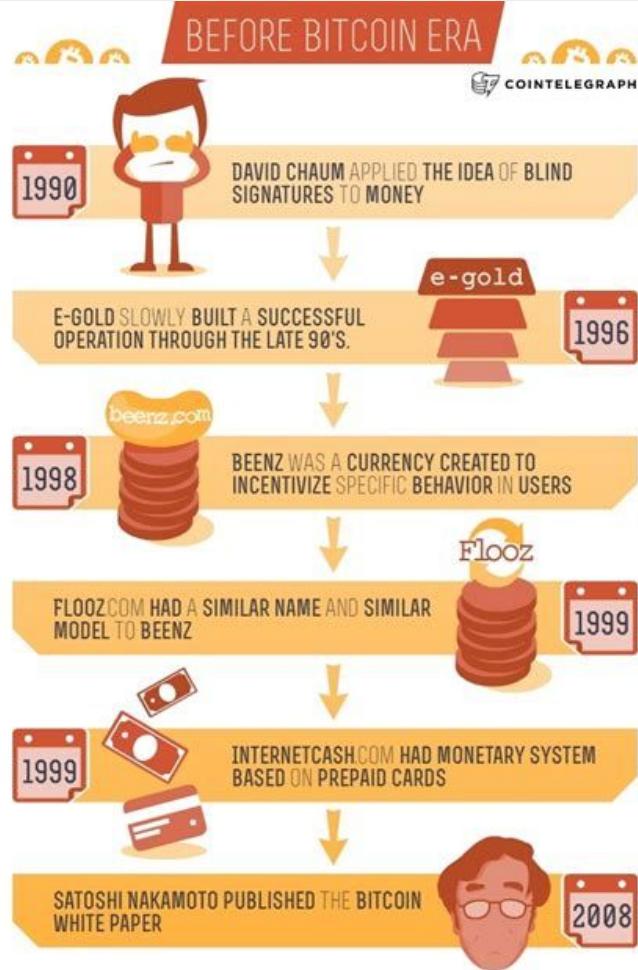
- dApp
- Smart Contract
- DAO
- Doxxed
- Metaverse
- Whale
- Degen
- Alpha

Slang Terms

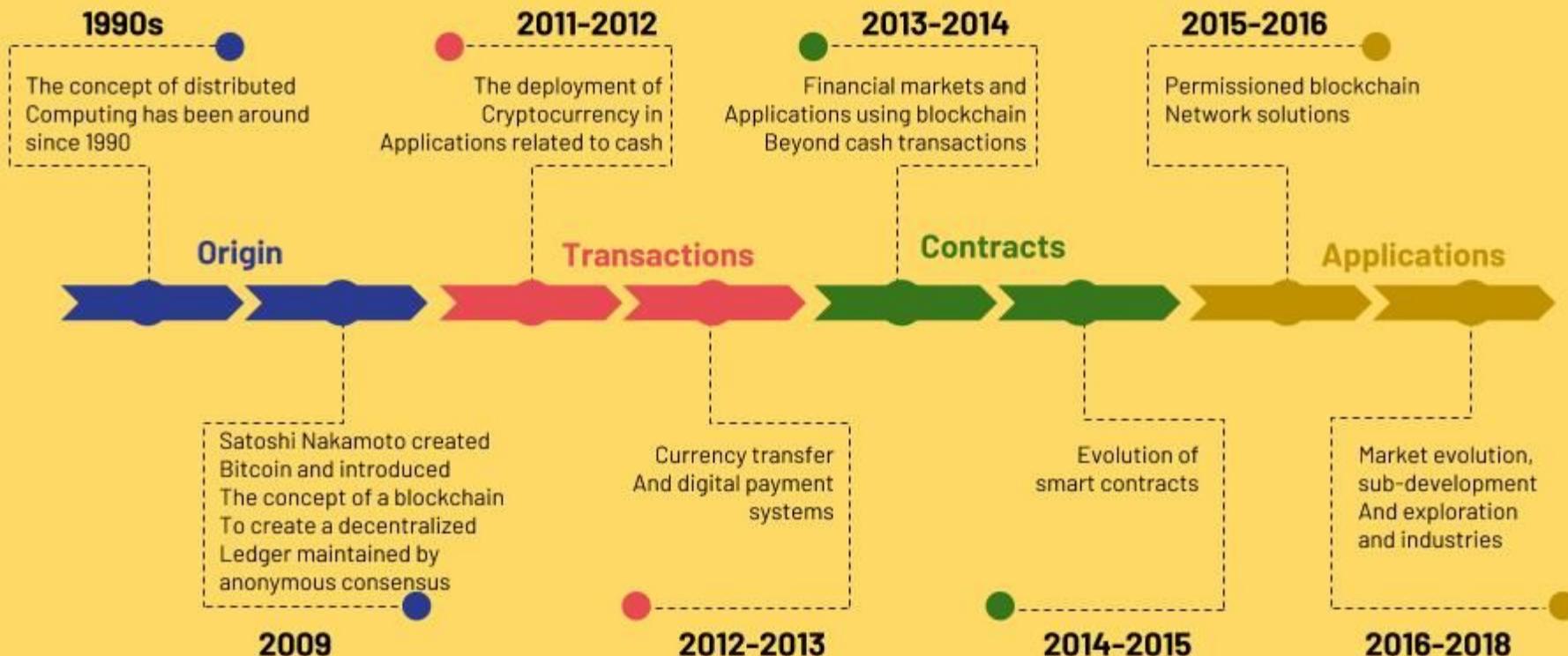
- HODL
- FOMO
- WAGMI
- Moon
- Right Click
- Pump & Dump
- The Flipping



A Brief History of the Blockchain and NFTs



Blockchain History



NFT Timeline

| 2022

- April 7th 2014 - [THING](#) - possible contender for first NFT? according to Leonardo Joe Vinci
- May 3rd 2014 - [Qauntlet](#) - first NFT according to Sotheby's
- [Trading card game and meme trading on Counterparty](#) - founded by Robert Dermody, Adam Krellenstein, and Evan Wagner; "A peer-to-peer financial platform and distributed, open-source Internet protocol built on top of the Bitcoin blockchain"

| 2021

- [First art NFT on Counterparty](#) - [mccoyospace](#)

| 2020

- [first NFT and first gif NFT](#) - [Source 2](#)
- [Monegraph](#) - created by Kevin McCoy and Anil Dash - Monetized Graphics (NFT could have been called this although NFT is a bigger concept as covers more than art) for a created image was assigned a blockchain key and value storables in a NameCoin wallet

| 2019

- September 2014 - [NILIcoin](#) - 'The artwork which will carry the value of the NILI coin are real objects, paintings and works on paper.'

| 2018

- bitcorns, memorychain, force of will, databits, penisium, Bitgirls, diecast

| 2017

2012

| 2016

- [Colored coins](#) - not NFTs but moving in that direction

| 2015

2011

| 2014

- a project by [Dan Kaminsky](#) surfaces poems, ASCII art and more found in the Bitcoin blockchain
- first art in blockchain? [Source](#)

| 2013

| 2012

| 2011

Other Timelines

2011
.bit DOMAINS



2015
SPELL OF GENESIS



2016
RAREPEPE



2017
CRYPTOKITTIES



2020
NBA TOPSHOT



B

B

CP

CP

GS

GD



2013
COLORED COINS



2015
ETHERIA



2017
CRYPTOPUNKS



2017
OPENSEA



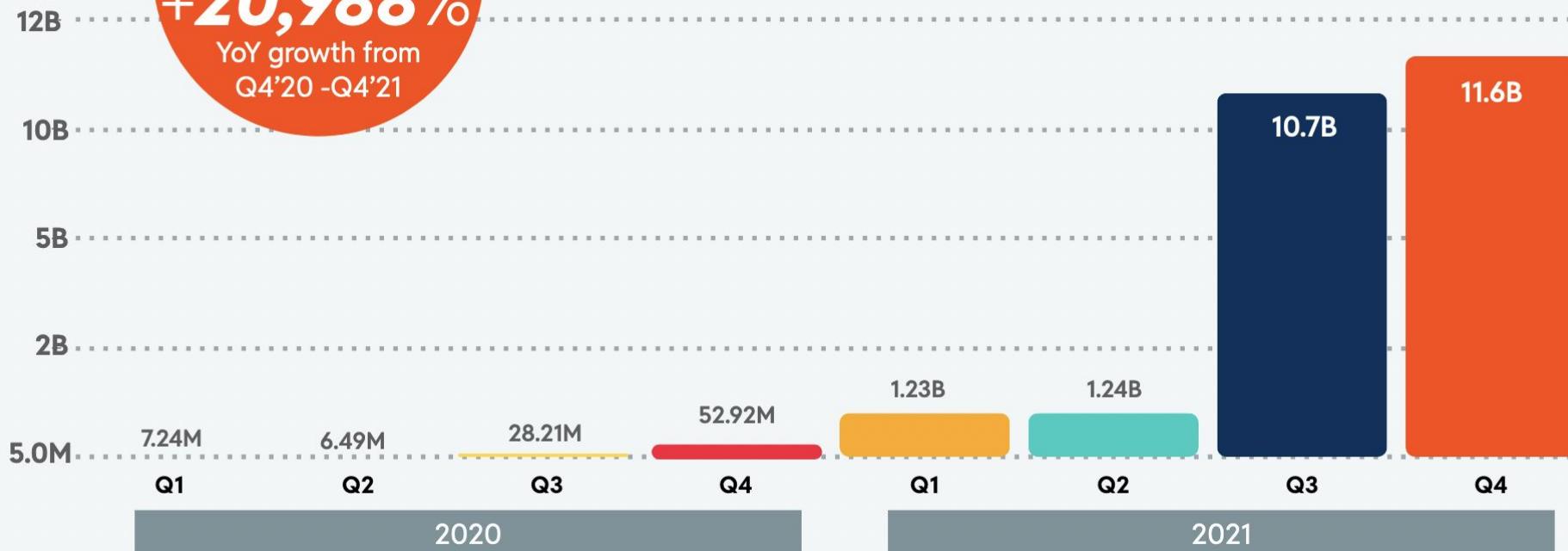
2021
BEEPLE "EVERYDAYS"

NFT SALES SKYROCKETED IN THE LAST HALF OF 2021



Let's take a look at the numbers. The market for NFTs has exploded over the past two years.

Source: DappRadar 2021-2022



TOP GROSSING NFT SALES OF 2021



Experts predict
the NFT market
will reach:

**\$80B
BY 2025**

Source: Crypto Potato 2022

What is an NFT?

- The NFT is the token.
- The art is stored on IPFS.
- NFTs can be lots of different things:
 - POAPs
 - ENS Domains
 - Soulbound Tokens
 - Uniswap Positions
 - Lens Protocol Names

Portion.IO FAQ

Breaking Down the Different ERC Standards

ERC-20: *fungible* tokens built on Ethereum. Each token is *indistinct* from another of its kind in terms of value and characteristics. Think of it like a \$1 bill.
Ex: DAI, USDC, Tether

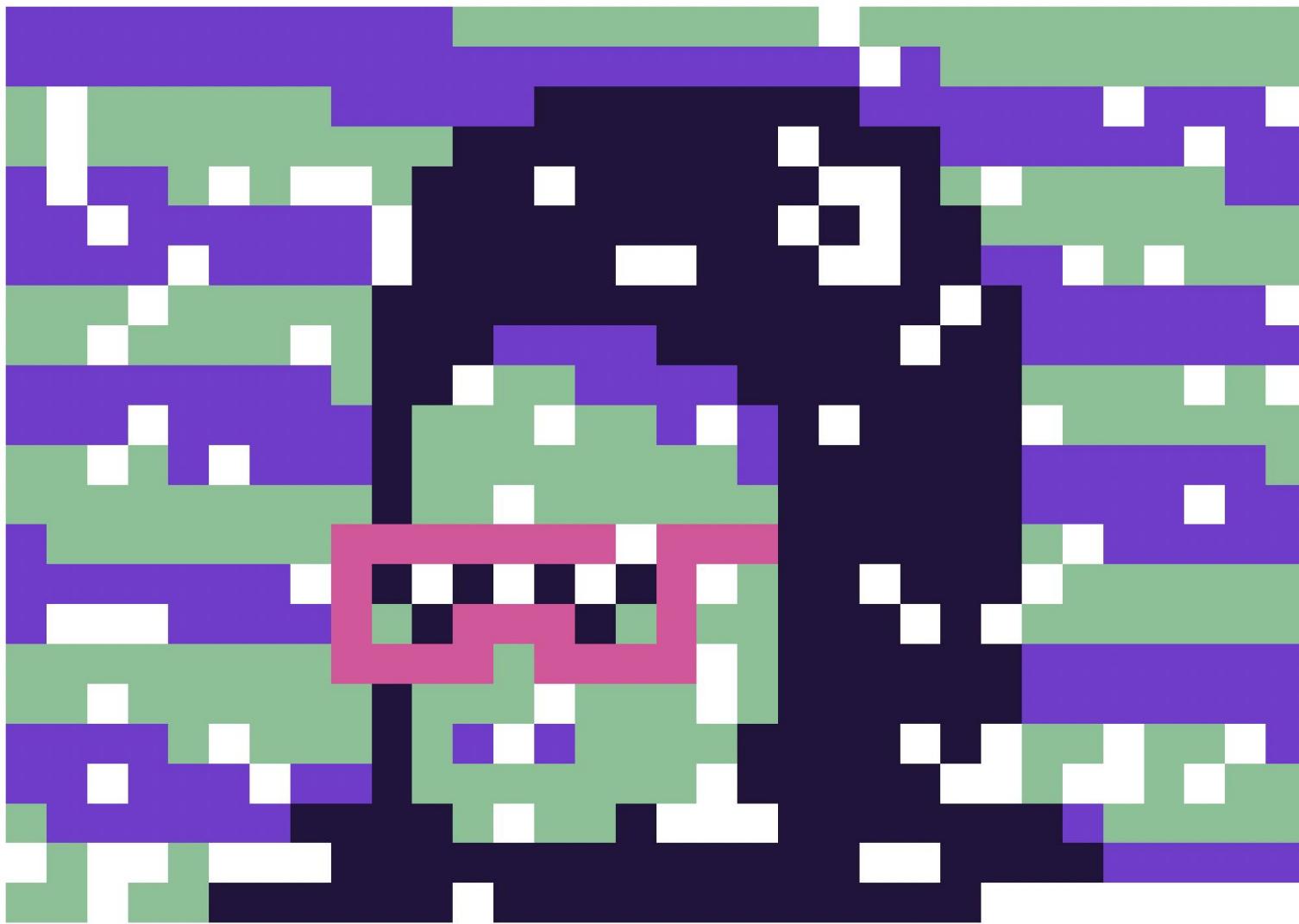
Non-fungible tokens (NFTs) are also tokens built on Ethereum, except they are non-fungible, i.e. each token is *unique, distinguishable, indivisible, and one of a kind*.

Most NFTs are created using 1 of the 2 token standards – ERC-721 and ERC-1155.

ERC-721: standard protocol for issuing **NFTs**. Represents a single unique asset that cannot be interchanged or divided. Think of it like an original painting or diamond- no two are the same. Ex: CryptoKitties, CryptoPunks, a 1/1 NFT

ERC-1155: lets you mint multiple assets in a single smart contract. Think of it like creating a basket of tokens.
Ex: a piece of art with 20 multiples/editions





Jun



1366 / 1476

ApeFest 2022 Day 3

#5221283

Minted on Gnosis

Thanks for making ApeFest 2022 bananas! This is your ticket stub for day 3 of ApeFest 2022 at Pier 17 in NYC.

📍 New York

📅 22 Jun 2022

👤 You and 1475 more were there >

Share



407 / 432

EVMavericks NFT Original Holders

#5035571

Minted on Gnosis

This POAP recognizes holders of the EVMavericks NFT delivered to regular participants in the reddit.com/r/ethfinance subreddit. This POAP doesn't recognize the original recipients, rather, it recognizes those who held the NFT after the deployment was completed. POAP image provided by @Woh, deployment by superphiz using poap.delivery

📅 28 Apr 2022

👤 You and 431 more were there >

Share



9 / 15

Blaylock Comics at NFT NYC 2022

#5211006

Minted on Gnosis

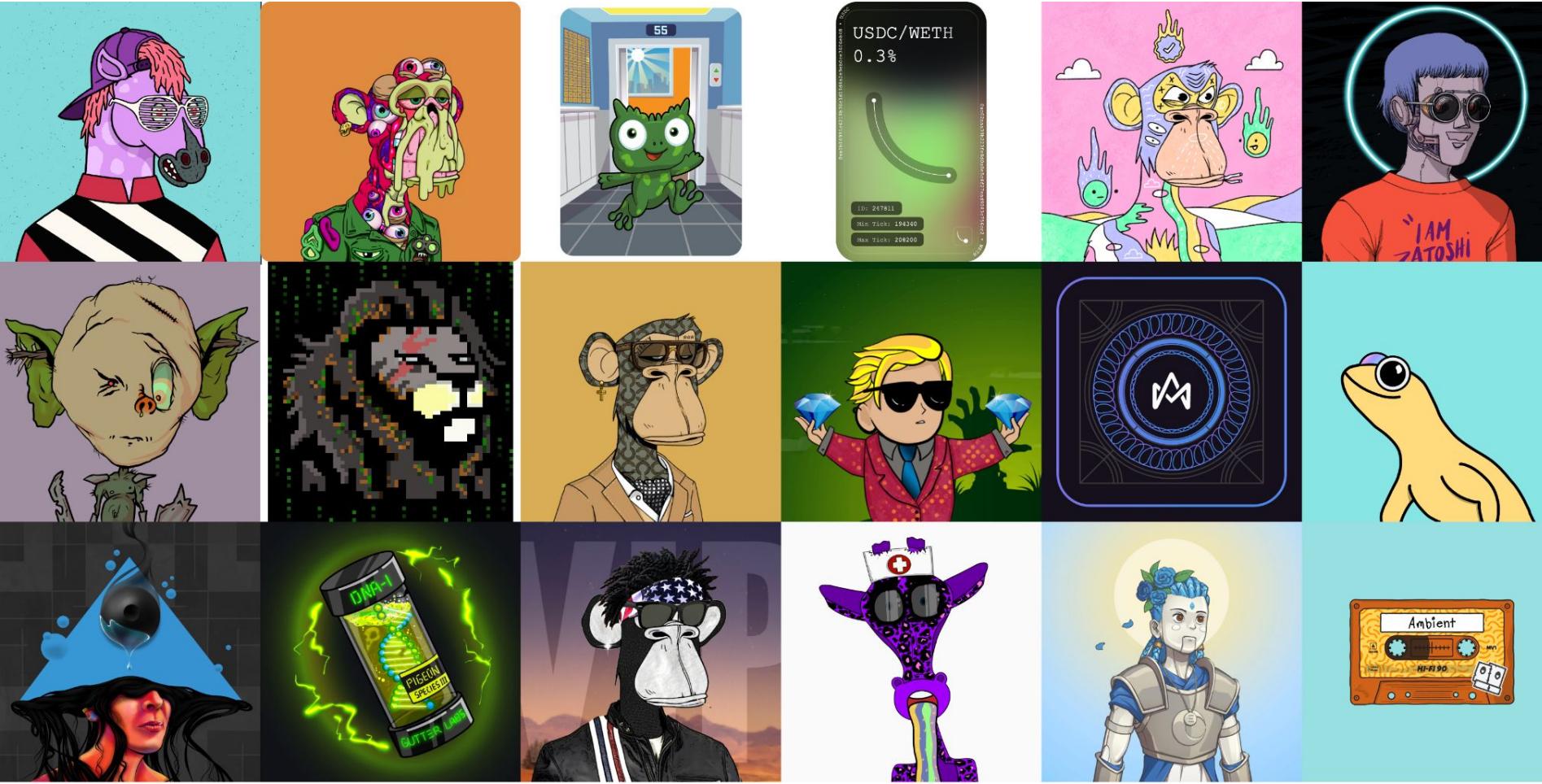
I met Josh Blaylock of Blacklock Comics, Comic Boxels, and Degen After Hours at NFT NYC!

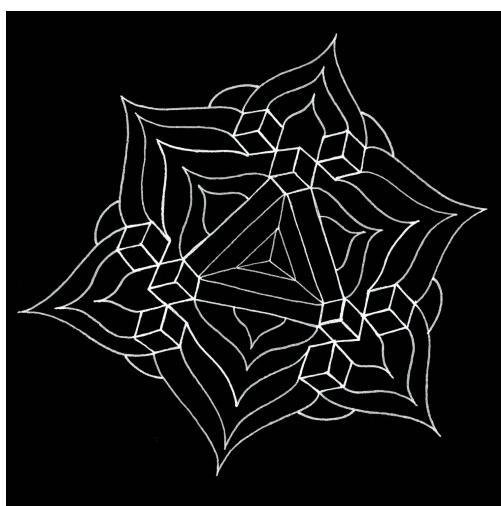
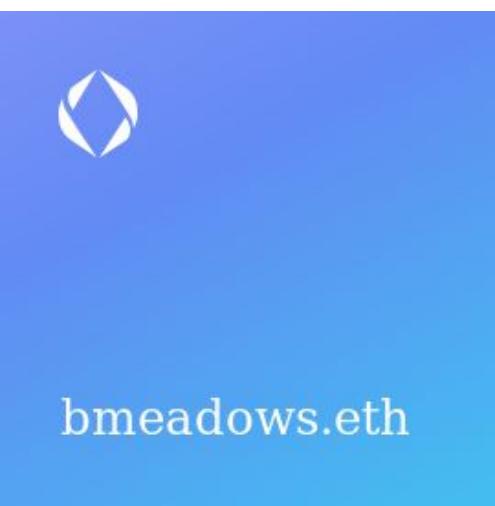
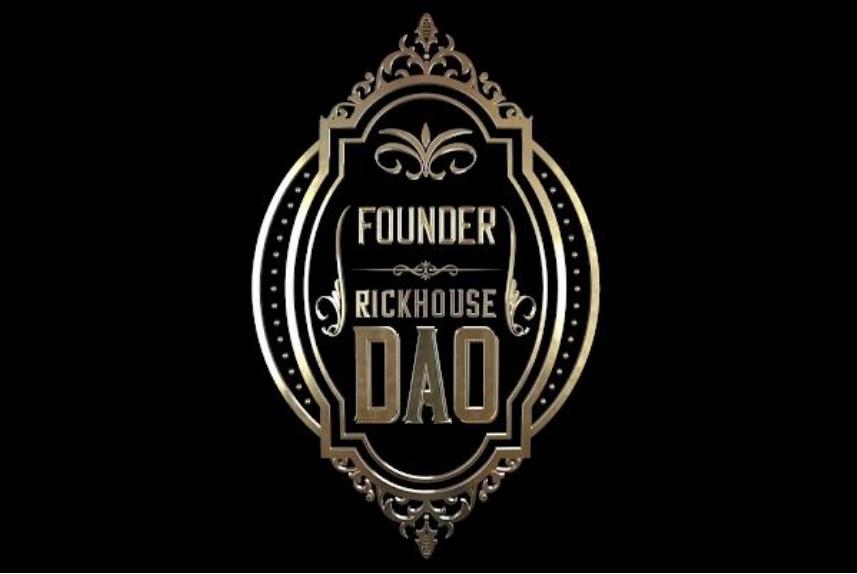
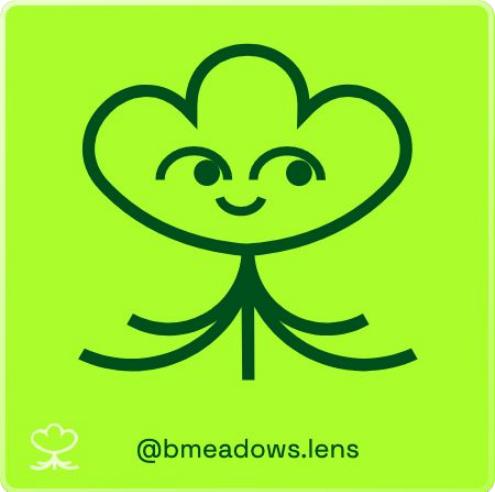
Josh Blaylock is renowned comic book artist & writer, and co-founder of Comic Boxels, an NFT project bridging the gap between comics and Web3. His first feature NFT project, Degen After Hours, is a comic book

📅 15 Jun 2022

👤 You and 14 more were there >

Share





Introducing Writing
NFTs



NFTS - What can you do with an NFT?

7 Main Types:

- Artwork (1/1)
- PFPs & Avatars
- Photography
- Collectibles
- Generative Art
- Music
- Gamified (Play-to-Earn)

NFTs - How do I get one?

Mint:

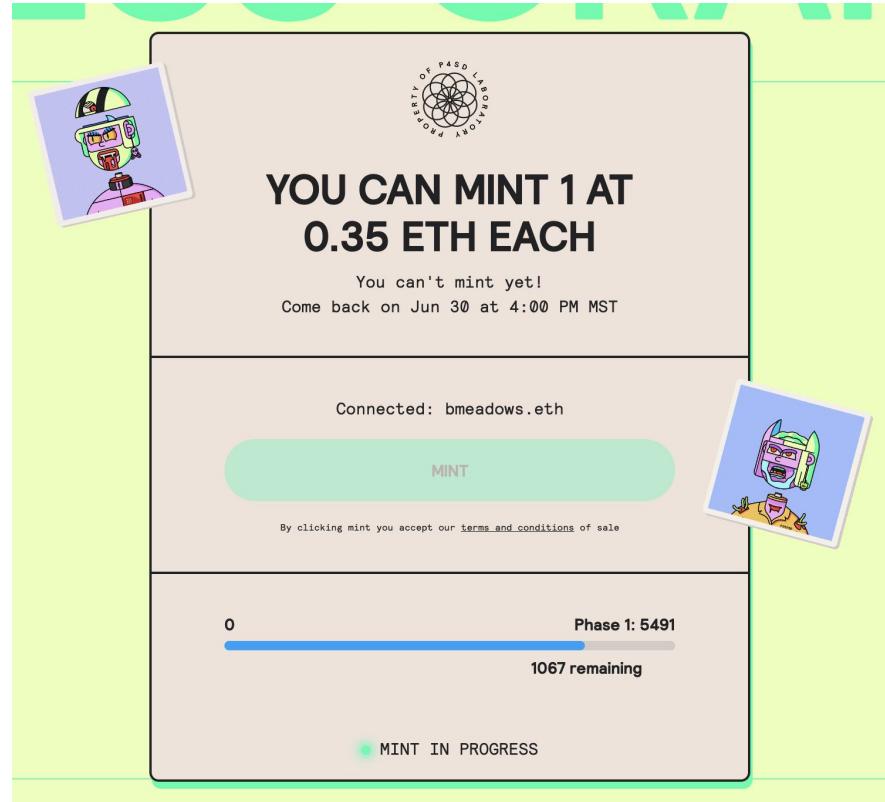
- From the project's website.
- From a marketplace.
- Direct from the contract.



NFTs - How do I get one?

Mint:

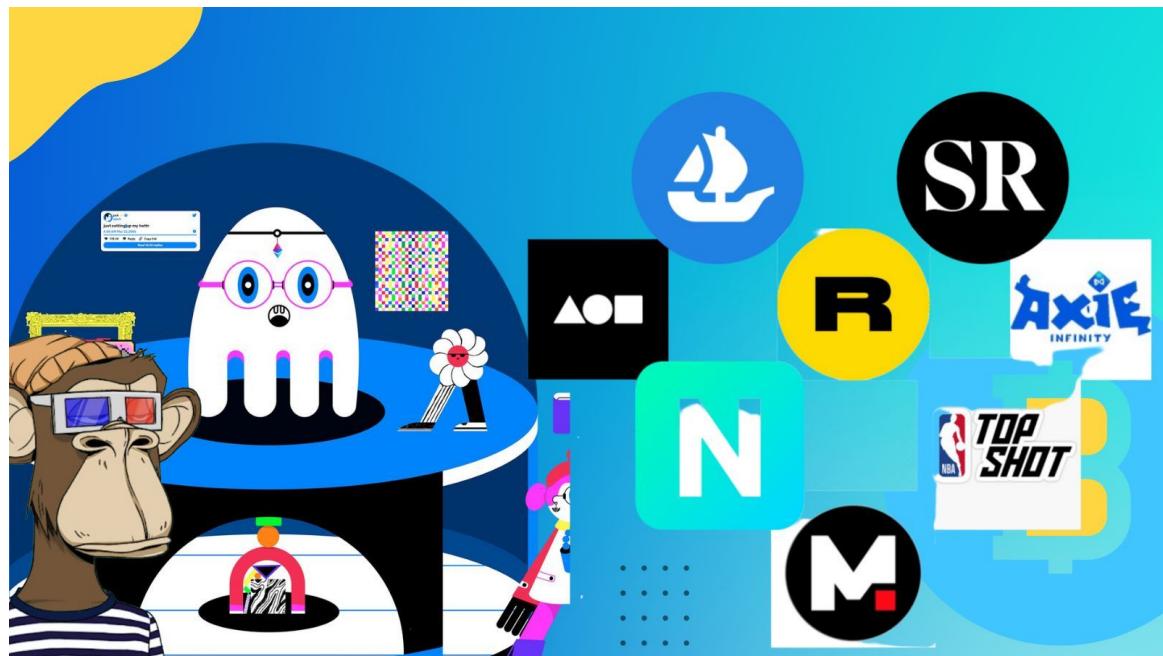
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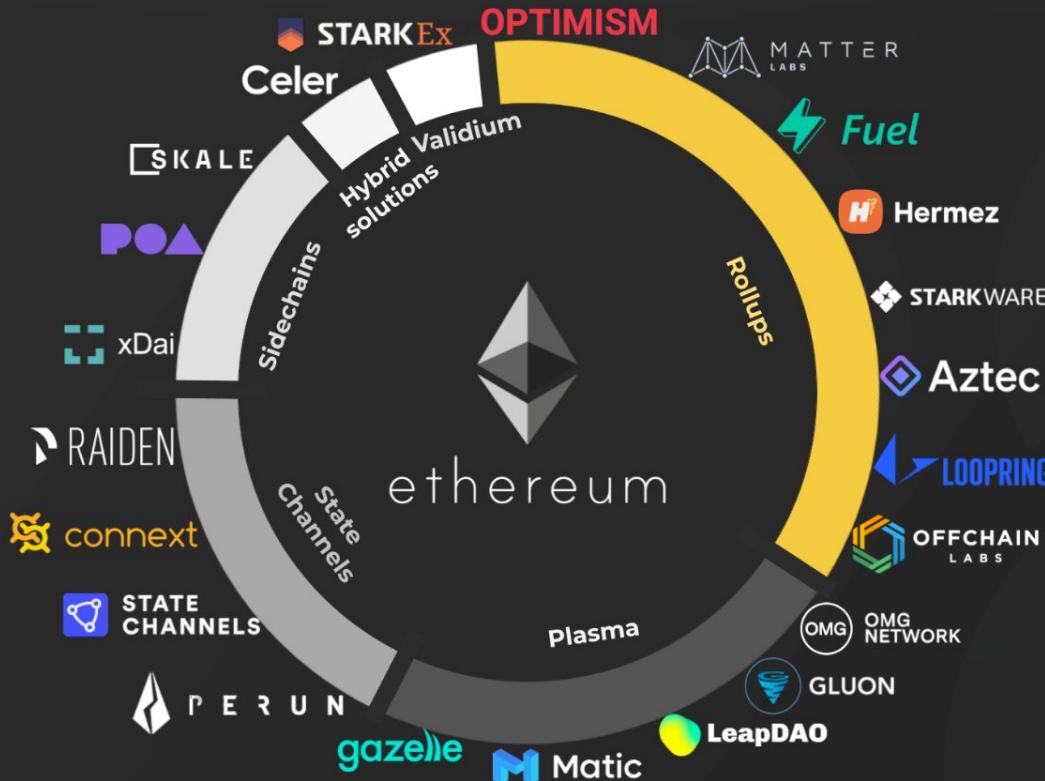
NFTs - How do I get one?

Buy (from a marketplace):

- OpenSea, LooksRare
- X2Y2, Rarible, NFTX
- Foundation
- SuperRare
- Infinity
- Quixotic
- Stratos
- NFT Trader
- Gem, Genie



LAYER 2 SCALING SOLUTIONS ON ETHEREUM





goblintown #8813

 goblintown[Chat with Owner](#) 

Min. Price

0.0000 ETH (\$0.02)

Last Sale (Item)

N/A

Last Sale (Contract)

2.95 ETH (\$3,256.89)

Details

Owner:

[bmeadows.eth](#) 

Contract Address:

 [0xbce3781ae7ca1a5e050bd9c4c77369867ebc307e](#) 

Creator:

[goblintown: Deployer](#) 

Classification:

Off-Chain (IPFS)

Token ID:

8813 

Token Standard:

ERC-721

Marketplaces:



Properties (8)

Description

Item Activity

A total of 2 records found

First

<

Page 1 of 1

>

Last

Right Click Share #525

[Chat with Owner](#)

Min. Price ⓘ

0.25 ETH (\$273.47)

Last Sale (Item) ⓘ

N/A

Last Sale (Contract) ⓘ

0.69 ETH (\$754.78)

≡ Details

② Owner:

bmeadows.eth

② Contract Address:

0xd16809c0a7d82c9e7552a01fd608fff90efb564f

② Creator:

0x0f9acf892c809d27d9cd14059aada68b343d0412

② Token ID:

525

② Token Standard:

ERC-721

② Marketplaces:



PropertyParams (1)

≡ Description

Item Activity

A total of 1 record found

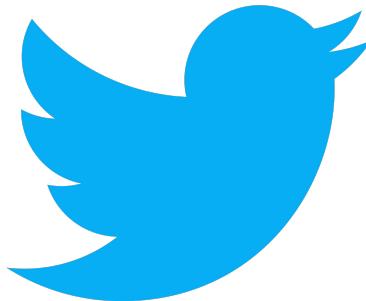
[First](#) [<](#) [Page 1 of 1](#) [>](#) [Last](#)

Txn Hash	Age	Action	Price	From	To
0x8c76e816f86385946e...	28 days 13 hrs ago	Mint	Null Address: 0x000...000		bmeadows

Show [25](#) Records[First](#) [<](#) [Page 1 of 1](#) [>](#) [Last](#)

NFTs - Communication

- Twitter
- Discord
- Website
- Telegram

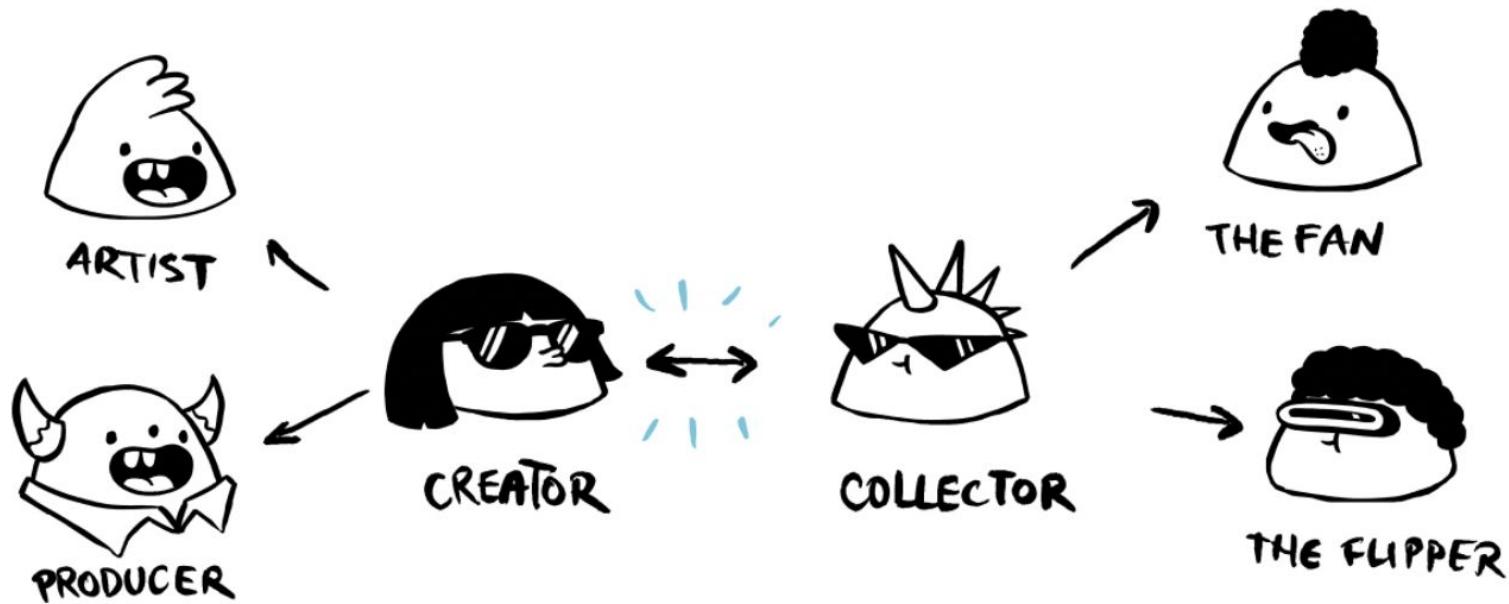


Telegram



DISCORD

NFTs - Where do you fit in?



NFTs - Safety

- Use a hardware wallet.
- Never share your seed phrase.
- Check Revoke.Cash
- Use a burner wallet to mint.
- Audit smart contracts.
- Only use official links.
- Be careful of airdrops.



NFTs - Safety

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- Check Revoke.Cash
- Use a burner wallet to mint.
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- Only use official links.
- Be careful of airdrops.



REVOKE

Donate



bmeadows.eth

Disconnect

bmeadows.eth

Tokens NFTs

Include zero balances

0xApes: 2
No allowances

AES Apes: 2
No allowances

Aes Bears: 2
No allowances

AutoMinter Pro Pass: 3
No allowances

babyckmfers: 10
No allowances

Based Vitalik: 2
No allowances

Bored Ape Yacht Club: 7
Unlimited allowance to [LooksRare](#)
Unlimited allowance to [Foundation](#)
Unlimited allowance to [OpenSea](#)

NFTs - Safety

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- Use a burner wallet to mint.
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- Only use official links.
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Featured

Collected 153

Created 1

Favorited 176

Activity

More ▾



Search by name

Offers made

Offers received

Active listings

Inactive listings

Hidden

93

Loopify Drip
DOLL RTFKT BONUS...Best Offer
0.75

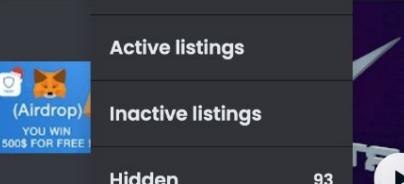
AIRDROP-PASS

www.alienbase.com
SNE-META-PASS

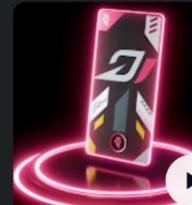
Origin NFT Heroes



@0xdropsy's Untitled Collection...

HEADLINE Join the...
www.pirategirls.xy...Nike x Adidas x Bo...
Nike x Adidas x Bor...Dolos Passport
Life Beyond Origin ...Loopify Drip
DOLL RTFKT BONUS...Best Offer
0.75AIRDROP-PASS (w...
SNE-META-PASSNFT Hero #4997
Origin NFT Heroes

@0xdropsy's Untitled Collection...

Duck Egg #000
Duck EggThe beginning
Woo GraySubpuck
ZaMaZINGoMonster Rehab #...
SadMonsters V2Ape Blind Box
ET__GIRLSApartment Acces...
Life Beyond Origin ...THOR
Bored Ape Legend...Gutter Punks Fly...
Gutter Punks - ENS

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- A copy of this presentation.
- A list of reference materials.
- A list of tools for NFT investing.
- A custom POAP from this presentation.