

Navigating Crypto: Industry Map

October 2022

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About the Industry Map

The Industry Map provides an overview of the crypto ecosystem. In this report, we break down different verticals into subcategories and lay out a few projects in each of them. Additional details in terms of projects' descriptions and relevant metrics can be found in the following slides.

This map is compiled based on publicly available data, research, and qualitative analysis. It is not intended to be an exhaustive list of projects in the industry. Certain verticals, subcategories, or projects may or may not have been included as we aim to share a variety of key leaders as well as emerging players. Projects showcased are mapped according to their primary use cases. More verticals will be added over time in future iterations. For suggestions, please provide your feedback [here](#).

The mention of specific projects does not constitute endorsement or recommendation by Binance.

Infrastructure

Infrastructure

Vertical Spotlights

We identified 4 key areas of innovation.



Scalability and Fairness

As L1s see increasing adoption, more projects aim to make blockchains more scalable by batching transactions off-chain and more fair by implementing efficient distribution of Maximal Extractable Value.



Data Usability and Tooling

Data generated on blockchain networks are far from being fully usable by developers. Data querying and indexing service is a key innovation area to improve the current developer experience.



Security and Privacy

The rising demand for network security and privacy has resulted in the emergence of projects aiming to prevent malicious data tracking, smart contract hacks, etc.



Computation and Content Delivery

We see more projects focusing on providing users with access to computing services as well as content delivery services based on a decentralized infrastructure.

Infrastructure

Vertical Overview

Scalability and Fairness



Data Usability and Tooling



Security and Privacy



Computation and Content Delivery



Optimistic Rollup Solution



Data Indexing



Maximal Extractable Value (“MEV”) Solution



Smart Contract Automation



Multisig Wallet

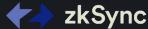


Infrastructure

Subcategory Description

Zero-Knowledge (“ZK”) Rollup Solution:

Protocols that generate cryptographic proofs to prove the validity of transactions before combining them to execute off-chain.

 zkSync	zkSync is a ZK rollup solution addressing Ethereum scalability issues with minimized security compromises.
 Aztec	Aztec Network is the first ZK rollup on Ethereum.
 STARKNET	StarkNet is a permissionless ZK rollup.
 LOOPRING	Loopring is a ZK rollup solution primarily for trading and payment.
 Polygon	Polygon has multiple ZK rollup solutions designed to reduce computational costs of generating validity proofs through recursive proofs.
 Scroll	Scroll is an Ethereum L2 solution leveraging ZK rollup.
 TAIKO	Taiko is a zkEVM-based general-purpose ZK rollup L2 for Ethereum.

Optimistic Rollup Solution:

Protocols that assume the validity of transactions and then combine them to execute off-chain.

 OP	Optimism is a L2 Optimistic rollup network.
 ARBITRUM	Arbitrum is an Ethereum Optimistic rollup solution.
 boba	Boba Network is a L2 scaling solution and a hybrid compute platform.

Infrastructure

Subcategory Description (cont.)

Maximal Extractable Value (“MEV”) Solution:

Solutions that prevent miners and validators from unfairly profiting by including, excluding, or reordering transactions in a block.

	Flashbots works on mitigating the negative externalities of current MEV techniques and avoiding risks that MEV cause to state-rich blockchains.
	Jito Labs builds high-performance systems to scale Solana and maximize validator rewards.
	Eden is an optional, non-consensus breaking transaction ordering protocol for Ethereum blocks.
	Rook enables users, protocols, and smart contracts to own MEV.
	Manifold is a multi-protocol middleware solution to improve connectivity between DeFi products.

Infrastructure

Subcategory Description (cont.)

Remote Procedure Call (“RPC”) Provider:

RPC is the most direct interface in which developers can communicate with the blockchain system.

 0x	0x is an open protocol that enables decentralized exchange of tokens on the Ethereum blockchain.
 alchemy	Alchemy is a platform enabling developers to interact with the blockchain mainly with API calls.
 INFURA	Infura provides Ethereum API, IPFS API and Gateway, and ETH nodes-as-a-service.
 moralis	Moralis provides a suite of APIs for developers to seamlessly integrate blockchain into their dApps.
 QuickNode	QuickNode is a platform for developers to build and scale blockchain applications.
 Ankr	Ankr enables developers to build upon a distributed network of nodes.
 POKT	Pocket Network provides RPC access to Ethereum, Polygon, etc.

Smart Contract Automation:

Platforms that enable users to automatically execute smart contracts.

 Gelato Network Web3's Automation Protocol	Gelato enables users to automate smart contract functions on Ethereum.
 Keep3r.network	Keep3r enables users to deploy bots to perform operations on-chain.

Data Indexing:

Platforms that provide network data indexing and querying services.

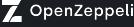
 the graph	The Graph is an indexing protocol for querying networks like Ethereum.
 COHERENT	Coherent connects to a wallet address and gets information about that address in a digestible way.
 0xScope	0xScope is a protocol that aims to standardize web2 & web3 data by building a knowledge graph.

Infrastructure

Subcategory Description (cont.)

Security Solution:

Protocols that contribute to security of blockchains.

 CERTORA	Certora aims to ensure smart contract and code security.
 Forsta	Forsta is a real-time detection network for security and operational monitoring of blockchain activities.
 OpenZeppelin	OpenZeppelin provides security products to build and operate dApps.

Privacy Solution:

Projects that contribute to the protection of user privacy.

 NYM	Nym is a decentralized and tokenized infrastructure providing privacy from the network to the application layer.
 Anoma	Anoma is an intent-centric, privacy-preserving protocol for decentralized counterparty discovery, solving, and multi-chain atomic settlement.
 AUTOMATA	Automata provides a blockchain-based authentication solution that secures access to accounts and protects users with an active defence.

Multisig Wallet:

Cryptocurrency wallets that require two or more private keys to sign and send a transaction.

 Gnosis Safe	Gnosis Safe is a platform to manage digital assets on Ethereum.
 Apollo DAO	Apollo Safe is a front end for the CW3 multisig contract.
 Squads	Squads is a multisig management protocol for web3-native teams.

Infrastructure

Subcategory Description (cont.)

Content Delivery Network (“CDN”):

CDNs are decentralized, distributed networks that provide fast delivery of internet content.

 MESON NETWORK	Meson Network is a bandwidth marketplace using blockchain to replace traditional sales model.
 Media Network	Media Network is a privacy-first and community-governed CDN.
 THETA	Theta Network is a blockchain infrastructure for video and media.
 livepeer	Livepeer Network is a protocol for developers who want to add live or on-demand video to their project.

Cloud Computing:

Projects that provide users with access to computing services based on a decentralized infrastructure.

 4EVERLAND	4EVERLAND is a cloud computing platform that integrates storage, computing, and network core capabilities.
 Flux	Flux is a scalable decentralized cloud infrastructure.
 LATITUDE BLOCKCHAIN SERVICES	Latitude helps developers deploy dedicated servers globally through the bare metal cloud platform.

Decentralized Finance ("DeFi")

DeFi

Vertical Spotlights

We identified 5 key areas of innovation.



Issuance

We see the emergence of a more diverse suite of financial products in the DeFi space, such as synthetic assets, options, and structured products.



Liquidity

Liquidity staking and collateralized debt position (“CDP”) are becoming more prominent, exposing users to a variety of on-chain liquidity opportunities.



Trading

More diverse financial products are being traded on decentralized exchanges (“DEX”). In particular, the derivatives and perpetuals DEXs are growing rapidly.



Connectivity

Layer-1 blockchains are far from being fully connected and interoperable. Numerous cross-chain solutions are being developed to improve the current on-chain user experience.

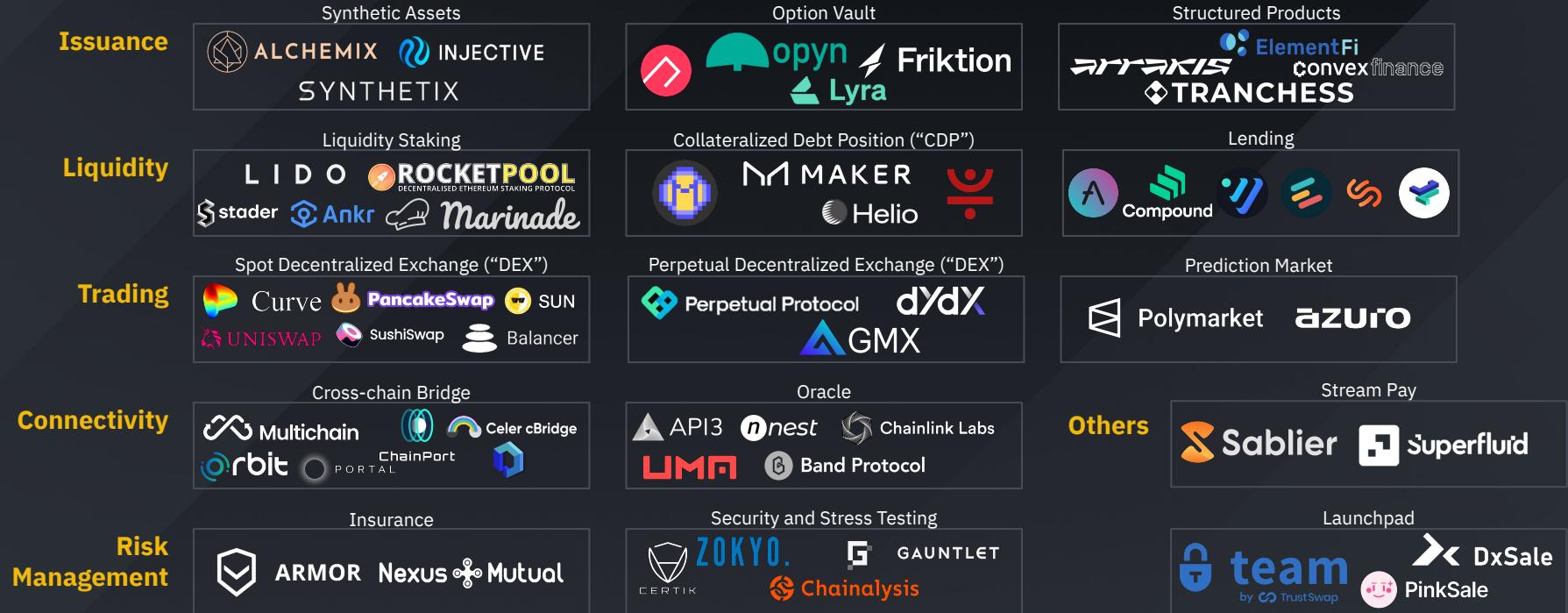


Risk Management

There are more projects focusing on providing users with monetary protection and other security measures against hacks, scams, and technical loopholes.

DeFi

Vertical Overview



Note: Map is not an exhaustive list of projects in the industry. Projects showcased are mapped according to their primary use cases.
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DeFi

Subcategory Description

Synthetic Assets: Protocols that tokenize the derivative of an underlying asset.

Project	Total Value Locked	Description
SYNTHETIX	US\$415M	Synthetix leverages pooled collateral model that generates fees to SNX collateral providers from trades between Synths.
Injective	US\$101M	Injective provides out-of-the-box interoperable orderbook primitives and allows for cross-chain interoperability.
Alchemix	US\$73M	Alchemix offers same-asset loan products and accepts deposits in the form of either yield-bearing-assets or underlying collateral assets.

Option Vault: Protocols that allow staking assets into vaults for deployment of option strategies.

	US\$92M	Ribbon combines derivatives, lending and a proprietary on-chain options exchange.
	US\$89M	Opyn allows for partially collateralized options, cash-settled European options, spreads, flash minting options, operators, and other option strategies.
	US\$35M	Lyra offers cash-settled, European options and leverages Synthetix protocol assets (sUSD, sETH, sBTC, sLink) for collateral pools.
	US\$30M	Friktion leverages various quantitative yield strategies and uses blind Dutch auction format to determine market price for call options.

DeFi

Subcategory Description (cont.)

Structured Products: Yield optimizers, yield tranching, automated LP managers, etc.

Project	Total Value Locked	Description
Convexfinance	US\$4B	Convex is a platform that boosts rewards for CRV stakers and liquidity providers.
ARRAKIS	US\$647M	Arrakis is a protocol that specializes in concentrated & active liquidity management.
◆TRANCHESS	US\$87M	Tranchess offers a yield enhancing asset tracker with varied risk-return solutions.
ElementFi	US\$8M	Element is an open source protocol for fixed and variable yield markets.

DeFi

Subcategory Description (cont.)

Liquid Staking: Protocols that provide liquidity for staked assets.

Project	Total Value Locked	Description
Lido	US\$7B	Lido provides daily rewards for staked assets with no lock-ups.
 ROCKETPOOL DECENTRALISED ETHEREUM STAKING PROTOCOL	US\$646M	Rocket is a decentralized staking pool on Ethereum.
 Marinade	US\$240M	Marinade offers liquid staking on Solana.
 Ankr	US\$193M	Ankr offers liquid staking on several blockchains such as Ethereum, and BNB Chain.
 Stader	US\$155M	Stader offers liquid staking on several blockchains such as BNB Chain, Polygon, and Hedera.

DeFi

Subcategory Description (cont.)

Collateralized Debt Position (“CDP”): Protocols that use collaterals to mint stablecoins.

Project	Total Value Locked	Description
 MAKER	US\$8B	MakerDAO enables the generation of stablecoin Dai.
 JustStables	US\$1B	JustStables enables the generation of USDJ.
 Abracadabra	US\$375M	Abracadabra enables the generation of MIM.

Perpetual Decentralized Exchange (“DEX”): DEXs for trading perpetuals.

 GMX	US\$770M	GMX uses a multi-asset pool that earns liquidity provider fees from market making, swap fees and leverage trading.
 dYdX	US\$384M	dYdX offers perpetuals as a non-custodial, decentralized margin product with collateral held as USDC and trades settled on Starkware zk-rollup.
 Perpetual Protocol	US\$27M	Perpetual Protocol is an on-chain perpetual futures DEX with deep liquidity and builder-ready composability.

DeFi

Subcategory Description (cont.)

Spot Decentralized Exchange (“DEX”): DEXs for trading assets.

Project	Total Value Locked	Description
 Curve	US\$6B	Curve is an exchange liquidity pool on Ethereum.
 UNISWAP	US\$4B	Uniswap is a cryptocurrency exchange which uses a decentralized network protocol.
 PancakeSwap	US\$4B	PancakeSwap is a decentralized exchange on BNB Chain.
 Balancer	US\$2B	Balancer is an automated portfolio manager and trading platform on Ethereum.
 SUN	US\$706M	SUN is a platform for stablecoin swap, stake-mining and self-governance on TRON.
 SushiSwap	US\$670M	Sushi is a platform for users to swap, earn, stack yields, lend, borrow, and leverage.

DeFi

Subcategory Description (cont.)

Lending: Protocols that allow users to lend assets.

Project	Total Value Locked	Description
	US\$6B	Aave allows users to earn interest, borrow assets, and build applications.
	US\$4B	JustLend is a decentralized lending protocol that allows users to supply, borrow, and earn.
 Compound	US\$3B	Compound is an algorithmic, autonomous interest rate protocol built for developers, to unlock open financial applications.
	US\$1B	Venus is a DeFi algorithmic money market protocol on BNB Chain.
	US\$616M	Euler is a non-custodial DeFi protocol on Ethereum that allows users to lend and borrow assets.
	US\$447M	Solend is a DeFi protocol for lending and borrowing on Solana.

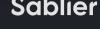
DeFi

Subcategory Description (cont.)

Prediction Market: Protocols that enable users to wager, bet, and buy in future outcomes.

Project	Total Value Locked	Description
 Polymarket	US\$8M	Polymarket allows users to build portfolios based on their forecasts.
 azuro	US\$5M	Azuro offers decentralized betting.

Stream Pay: Payment modules that allow continuous settlement via token streaming.

 Sablier	US\$5M	Sablier is a token streaming protocol powered by Ethereum smart contracts.
 Superfluid	US\$900K	Superfluid handles composable stream of value with continuous settlement.

DeFi

Subcategory Description (cont.)

Cross-chain Bridge: Protocols that bridge tokens from one blockchain to another.

Project	Total Value Locked	Description
 Multichain	US\$1B	Fantom, Ethereum, BNB Chain, Polygon, etc.
 PORTAL	US\$507M	Ethereum, Terra, Solana, BNB Chain, etc.
 orbit	US\$326M	Ethereum, BNB, Polygon, Avalanche, etc.
 Celer cBridge	US\$238M	Ethereum, Ripple, BNB, Polygon, etc.
 ChainPort	US\$155M	Ethereum, BNB, Avalanche, Polygon, etc.
	US\$127M	Ethereum, BNB, etc.

DeFi

Subcategory Description (cont.)

Oracle: Protocols that connect off-chain with on-chain data.

Project	Description
 Chainlink Labs	Chainlink decentralized oracle networks provide tamper-proof inputs, outputs, and computations to support smart contracts.
 UMA	UMA's Optimistic Oracle allows contracts to quickly request and receive data.
 API3	API3 is a first-party oracle network.
 nest	NEST Protocol is the stochastic computer based on PVM.
 Band Protocol	Band Protocol is a blockchain-agnostic decentralized oracle.

DeFi

Subcategory Description (cont.)

Insurance: Protocols that aim to provide users with monetary protection.

Project	Total Value Locked	Description
 ARMOR	US\$227M	Armor is a DeFi coverage aggregator.
 Nexus Mutual	US\$216M	Nexus Mutual allows users to share insurance risk together.

Launchpad: Composable modules for token issuance, liquidity, etc.

 PinkSale	US\$220M	PinkSale allows users to launch tokens and create their initial token sale.
 team <small>by TrustSwap</small>	US\$129M	Team Finance is a toolkit that helps users create and grow their tokens.
 DxSale	US\$81M	DxSale is an Initial DEX Offering (“IDO”) launchpad.

DeFi

Subcategory Description (cont.)

Security and Stress Testing: Modules that stress test or offer other security measures to protocols.

Project	Description
 CERTIK	Certik is a security-focused audit and ranking platform.
 Chainalysis	Chainalysis provides blockchain analysis for government agencies, projects, and financial institutions.
 ZOKYO.	Zokyo builds, secures, and funds crypto and DeFi projects.
 GAUNTLET	Gauntlet is a financial modeling platform that uses battle-tested techniques to inform protocol management.

Non-Fungible Token ("NFT")



NFT

Vertical Spotlights

We identified 3 key areas of innovation.



Marketplace

We see the emergence of NFT marketplaces targeting a variety of use cases, such as chain-specific listing, aggregators, and thematic curations. Users gain access to a wider range of buyer experiences.



Financialization

There are more diverse NFT-based financial products and services, such as staking, lending, derivatives, fractionalization, etc. Users are exposed to liquidity opportunities for their previously illiquid NFT assets.



Service

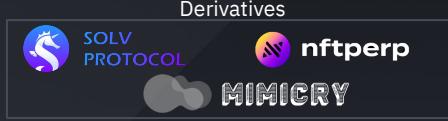
An increasing number of projects are helping users improve their experiences of purchasing NFTs and managing portfolios. Other projects provide services to help creators launch, secure, and store their NFTs more seamlessly.

NFT Vertical Overview

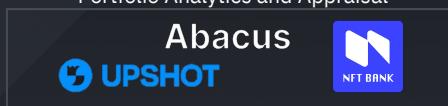
Marketplace



Financialization



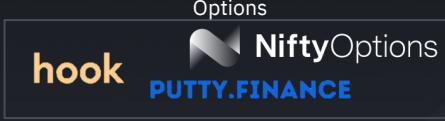
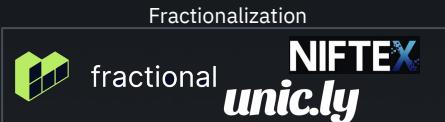
Service



Curated Marketplace



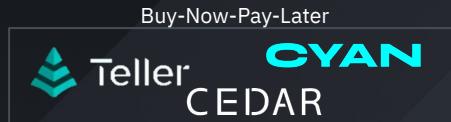
Fractionalization



Aggregator



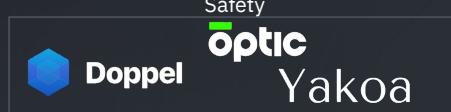
Buy-Now-Pay-Later



Membership and Content Gating



Safety



NFT Subcategory Description

Open Marketplace: Platforms that allow for any NFT from any brand to be sold.

Project	Monthly Users	Monthly Volume	Royalty Fees	Description
	352K	US\$318M	Compulsory	OpenSea is the largest NFT marketplace.
 X2Y2	30K	US\$165M	Optional	X2Y2 is an NFT marketplace on Ethereum with 100% revenue shared with token stakers.
 MAGIC EDEN	309K	US\$69M	Optional	Magic Eden is the largest NFT marketplace on Solana.
LOOKSRARE 	7K	US\$10M	Optional	LooksRare Is a NFT marketplace with rewards for participating.
) sudoswap (4K	US\$7M	Optional	Sudoswap is a decentralized, on-chain NFT exchange based on an AMM model.
 objkt.com	14K	US\$1M	Compulsory	Objkt is the largest NFT marketplace on Tezos.
 R	1K	US\$794K	Compulsory	Rarible is a low-fee NFT marketplace.

NFT

Subcategory Description (cont.)

Aggregator: Platforms that allow users to easily trade NFT collections from different marketplaces.

Project	Monthly Users	Monthly Volume	Description
 element	34K	US\$33M	Element allows users to optimize for liquidity.
 gem	21K	US\$31M	Gem is a low-fee NFT aggregator.
 Genie	400	US\$587K	Genie is an NFT marketplace aggregator.

Curated Marketplace: Selective platforms that focus on a certain type of NFTs, aesthetic, or set of values.

 Foundation	2K	US\$1M	Foundation is a curated, decentralized NFT marketplace.
 exchangeart	3K	US\$326K	Exchange Art is a Solana NFT Marketplace.
 Raresama	N/A	N/A	Raresama allows users to create or browse NFT art collections and enjoy a diverse mix of artists.

NFT

Subcategory Description (cont.)

Lending: Protocols that allow users to collateralize NFTs for loans.

Project	Total Value Locked	Description
 BendDAO WEB3 DATA LIQUIDITY	US\$120M	BendDAO is the first decentralized peer-to-pool based NFT liquidity protocol.
 JPEG'd	US\$14M	JPEG'd allows users to open CDPs using NFTs as collateral.
 FRAKT	US\$7M	FRAKT allows users to buy, sell, earn yield and get instant liquidity out of NFTs.
 nftfi	N/A	NFTfi is an NFT liquidity protocol.

NFT

Subcategory Description (cont.)

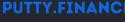
Fractionalization:

Protocols that allow users to collectively own NFTs.

 fractional	Fractional enables collective ownership and governance of NFTs.
 NIFTEX	NIFTEX allows users to fractionalize NFTs.
 unic.ly	Unic.ly allows users to combine, fractionalize, and trade NFTs.

Options:

Protocols that allow staking NFTs into vaults for option strategies.

 hook	Hook is an NFT-native options protocol.
 NiftyOptions	NiftyOptions contracts allow users to create NFT options.
 PUTTY.FINANCE	Putty is a decentralized NFT options marketplace.

Derivatives:

Protocols that allow users to trade NFT derivatives.

 MIMICRY	Mimicry is a derivatives protocol to long and short NFTs.
 nftperp	Nftperp is a perpetual futures DEX for NFTs.
 SOLV PROTOCOL	Solv is a one-stop platform for creating and trading financial NFTs.

Buy-Now-Pay-Later (“BNPL”):

Protocols that allow users to buy NFTs and pay for them later.

 Teller	Teller supports NFT buyers to finance their next purchase.
 CEDAR	Cedar offers buy-now-pay-later for NFT purchases.
 CYAN	Cyan offers buy-now-pay-later for NFT purchases.

NFT

Subcategory Description (cont.)

Portfolio Analytics and Appraisal:

Tools that analyze or appraise NFTs.

Abacus	Abacus is a decentralised appraisal tool for NFTs.
 NFT BANK	NFT Bank is a NFT portfolio management service.
 UPSHOT	Upshot builds a scalable NFT pricing infrastructure.

Membership and Content Gating:

Tools that gate access to membership or content using NFTs.

 AUDIUS	Audius is a music streaming and sharing platform that puts power back into the hands of content creators.
 HIGHLIGHT	Highlight enables users to easily NFT-gate music, podcasts, videos, etc.
 RareCircles	RareCircles enable businesses to introduce NFTs to engage high-value users.

Rental:

Protocols that allow users to rent NFTs.

 DOUBLE	Double Protocol is an NFT rental protocol.
 (re)NFT	reNFT is a multi-chain NFT rental protocol that enables uncollateralized renting, lending, and reward share.
 Renfter	Renfter is an uncollateralized NFT rental protocol.

Storage:

Solutions for storing NFT data.

 NFT STORAGE	Nft.storage is a long-term storage service designed for off-chain NFT data.
 Pinata	Pinata is an IPFS solution for creators and developers.

NFT

Subcategory Description (cont.)

Launchpad:

Modules for projects to launch their own NFTs.

 GigLabs	GigLabs enables brands to launch NFT projects.
 Mintbase	Mintbase enables users to build their own minters, markets, and NFT redeeming systems.
 NIFTYBASE	Niftybase is a NFT collection launchpad.

Safety:

Modules that offer security measures to protocols.

 Doppel	Doppel is an IP protection platform for NFTs.
 optic	Optic monitors blockchains to reveal the origins of NFTs and how they have been reimagined, remixed, or copied.
 Yakoa	Yakoa is an NFT fraud detection network.

Gaming Financialization ("GameFi")

GameFi

Vertical Spotlights

We identified 3 key areas of innovation.



Games

The question remains what the best way is to most seamlessly implement crypto-based in-game economies without impacting gamer incentives in an unsustainable way.



Game Development

We see the emergence of projects in the form of game studios, Initial Game Offering (“IGO”) launchpads, and developer kits that aim to help creators more smoothly develop and launch their games with crypto-based in-game economies.



Player Experience

There are more diverse products and services that aim to improve player experience by lowering the barriers to explore and onboard into crypto-based games.

GameFi

Vertical Overview

Games

Metaverse



Play-to-Earn

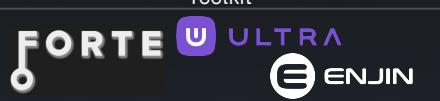


Game Development

Game Studio



Toolkit



Player Experience

Gaming Guild



Game NFT Marketplace



GameFi

Subcategory Description

Metaverse:

Virtual worlds where users can engage in a variety of gaming experiences.

Project	Market Cap	Description
 THE SANDBOX	US\$1B	The Sandbox is a virtual world where players can build, own, and monetize their gaming experiences on the Ethereum blockchain.
 Decentraland	US\$1B	Decentraland is a 3D virtual world where lands can be bought as NFTs.
 WILDER WORLD	US\$20M	Wilder World is an immersive metaverse built on Ethereum.
 StarryNift	N/A	Starrynift is an immersive VR-supported metaverse.

GameFi

Subcategory Description (cont.)

Play-to-Earn:

Games where users can monetize their gaming experiences in the form of cryptocurrencies.

Project	Market Cap	Description
 AXIE INFINITY	US\$833M	Players of Axie Infinity collect and mint NFTs which represent digital pets and engage in the crypto-based in-game economy.
 GALA GAMES	US\$231M	Players can earn GALA and limited-edition NFTs through playing games on Gala platform.
 ALIEN WORLDS	US\$52M	Players can earn Trilium that gives them power in the Planet DAOs.
 Aavegotchi	US\$52M	Aavegotchi is an open-source, community-owned NFT gaming protocol.
 UFO GAMING	US\$49M	UFO Gaming is a decentralized gaming platform bridging traditional games onto the blockchain.
 SPINTERLANDS	US\$48M	Splinterlands is an NFT card game enabling players to play, trade, and earn.
 MY NEIGHBOR ALICE	US\$46M	My Neighbor Alice is a multiplayer builder game, where players can buy virtual islands, collect and build items and meet new friends.

GameFi

Subcategory Description (cont.)

Game Studio:

Studios that specialize in developing crypto-based games.

 Dapper	NBA Top Shot, NFL All Day, UFC Strike, CryptoKitties, etc.
 Immutable GAMES STUDIO	Gods Unchained (Strategy Cards), Guild of Guardians (Action RPG).
 Vulcan Forged	Vulcan Verse (MMO RPG), Tartarus (Action Survival), etc.
 MYTHICAL	NFL Rivals, Blankos Block Party, Nitron Nation, etc.
 sorare	Football, NBA, MLB.

Launchpad:

Platforms that provide services to creators to launch games with crypto-based in-game economies.

 Cocos-BCX	Cocos-BCX aims to bridge more creators into crypto via GameFi incubation, investment, distribution, IGO, etc.
 Seedify	Seedify is a launchpad and incubator for crypto games.
 ROCO	ROCO provides services to crypto game developers, content creators and player communities.

Toolkit:

Tools for incorporating crypto-based economies into games.

 FORTE	Forte is a game platform that enables game companies to create blockchain games and scale in-game economies.
 ENJIN	Enjin offers a suite of products that make NFTs easy for individuals, businesses, and developers.
 ULTRA	Ultra is a platform that brings games, digital assets, tournaments, and live streams to one place through a single login.

GameFi

Subcategory Description (cont.)

Game NFT Marketplace:

Platforms for gamers to trade in-game items in the form of NFTs.

 AIRNFTS	AirNFTs is a game NFT marketplace on BNB Chain, Fantom, and Polygon.
 dMarket	dMarket enables secure buying, selling, and trading of in-game NFTs.
 OCTOGAMEX	OctoGamex is a gaming NFT trading platform.
 FRACTAL	Fractal is an open marketplace for gaming NFTs.

Gaming Guild:

Gamer communities that collectively monetize the play-to-earn model and lower its entry barrier.

 YGG	YGG is a play-to-earn gaming guild.
 Merit Circle	Merit Circle is a guild that rewards players for their performance.
 AVOCADO DAO	Avocado uses play-to-earn model to reward its players.
 UniX	UniX Gaming is a play-to-earn gaming guild.
 GOOD GAMES GUILD	Good Games Guild is a play-to-earn gaming guild.

About Binance Research

Binance Research is the research arm of Binance, the world's leading cryptocurrency exchange. The team is committed to delivering objective, independent, and comprehensive analysis and aims to be the thought leader in the crypto space. Our analysts publish insightful thought pieces regularly on topics related but not limited to, the crypto ecosystem, blockchain technologies, and the latest market themes.



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