BSV Blockchain (BSV)

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TL;DR

• BSV is positioning itself as a Web 3.0 platform for Dapps and enterprise applications
• BSV companies are developing BaaS infrastructure platforms to simplify application deployment on the network
• Early adoption of BSV is promising
• Major risks centers around polarization within the crypto community

Key Statistics

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Token Price</td>
<td>$184.32</td>
</tr>
<tr>
<td>Range (52W)</td>
<td>$129.34 / $491.62</td>
</tr>
<tr>
<td>Market Cap</td>
<td>$3.5B</td>
</tr>
<tr>
<td>Circulating Supply</td>
<td>18.7M</td>
</tr>
<tr>
<td>Volume (24H)</td>
<td>$1.2B</td>
</tr>
</tbody>
</table>

Source: Coinbase (5/27/2021)

June 4, 2021

Bitcoin SV: BSV Blockchain-as-a-Service (BaaS) for big data applications

BSV is the native token of the Bitcoin SV blockchain. The BSV blockchain uses a public software protocol derived from the Bitcoin codebase. BSV has restored certain Bitcoin technical protocol features to target use cases that require massive scaling. One key adjustment BSV implemented was removing any default limit on block size. The approach is designed to enable higher throughput and lower transaction fees, allowing developers to build applications that send micropayments (even fractions of a U.S. cent) for user activity, and data-rich enterprise and consumer decentralized applications (“Dapps”) with the BSV blockchain serving as the underlying public infrastructure.

The BSV ecosystem also seeks to create a “Metanet” that uses BSV’s micropayment and big data capabilities to power a better, more commercial Internet where users’ online activity and data can be monetized through the BSV blockchain and digital currency (rather than having users rely upon today’s “free” online and social media services that trade upon selling consumer data); A crucial step in establishing the Metanet is a widely used protocol layer that is enterprise adoption, which the BSV ecosystem has been working towards since launch. BSV companies have been building Blockchain-as-a-Service (“BaaS”) infrastructure platforms to simplify the process of deploying applications on the network to increase adoption.

- **Transitioning Big Business to Web 3.0:** The Internet’s (“Web 2.0”) current centralized infrastructure facilitates a data oligopoly in which a few large players (“Big Tech”) control many of the access points and much of the value accretion of Internet-native applications. As an alternative, blockchain developers are constructing decentralized Web (“Web 3.0”) approaches that aim to offer users the ability to control, authorize access to, and monetize their own data – because the data can be stored or managed on the BSV blockchain, and users can be rewarded in small BSV micropayments for their data.

- **Approaching Blockchain Big Data Applications:** BSV is one of the 3 main Bitcoin source code chains (a split from the Bitcoin Cash (BCH) chain, which itself split from the BTC codebase) but the BSV and BTC networks are going after very different use cases. BSV is positioning itself as a Web 3.0 platform upon which Dapps and enterprise data applications are built that can store data directly on the main blockchain layer (efficiently, for low fees) due to its unbounded block size cap. This approach has trade-offs but is unique relative to other blockchains as it allows for certain types of big data applications that may not be well-suited for other networks.

- **BSV Blockchain-as-a-Service (BaaS) Infrastructure Solutions:** To help make app development and enterprise adoption of BSV simpler, BSV companies have been working towards developing infrastructure and tooling for the network. At a high level, the BSV Metanet is an infrastructure layer that organizes the storage of and access to all types of data on the public BSV blockchain. The base layer BSV blockchain can serve as the underlying ledger for middleware tools and developers as well as end-user applications for both consumers and enterprises.

- **Early But Interesting Applications Emerging:** BSV has seen businesses across a number of industries including logistics, healthcare, and financials implement applications on its blockchain network. Some examples we discuss in this report include (1) Domineum (Page 19), a company that will push e-government services, cargo tracking, real estate title, and other data transactions to the BSV blockchain, (2) Transmira (Page 20), a location-based XR platform blending AR & VR, (3) Veridat (Page 21), a platform for data integrity, first focusing on data generated by the pharmaceutical industry’s clinical trials, (4) MatterCloud (Page 25), a BSV infrastructure solution for developers to implement payments, transaction storage, and smart contracts, and (5) DotWallet (Page 26), a digital wallet allowing users to access and use BSV and other digital assets, and an infrastructure platform to make it easier for developers to build with the BSV wallet.

- **Controversial History is a Risk But Crypto Maturing & Maximalism Fading:** We recognize that there is a subset of the crypto community that does not have a favorable view of certain BSV supporters and the BSV coin or anyone who associates with it as an extension. We are not here to take a stance on the associated controversy beyond saying that building a community around any crypto network is critical for success, and the extent to which polarization does or does not limit BSV adoption will be key. We are seeing shifting views in the crypto industry where new participants are more open to different tech trade-offs (i.e. BSC) and communities (i.e. DOGE) and a new wave of retail Robinhood investors who may not know or care as much about BSV’s prior controversies. How this will unfold is a risk to consider.

**Bottom Line:** We think that BSV is taking a unique technological approach to its network and that people are building real applications on it. Emerging BSV BaaS infrastructure is being constructed to make adopting the blockchain easier. If the community can move beyond its early reputational criticisms and increase adoption, this would bode well for the network’s future.
Blockchain-as-a-Service on BSV

Ecosystem Overview

Select Company Profiles

Blockchain Metrics
BSV Blockchain Overview

Architecture and properties of the network

- BSV is the native token powering the BSV Metanet where developers can build data-rich enterprise and consumer decentralized applications, with the BSV Blockchain serving as the underlying public infrastructure.
- Compared to competing networks, BSV is designed to offer higher throughput and lower transaction fees by having a technology approach that implements an unlimited block size cap.

![BSV Token & Blockchain Properties](image)

**BSV Token Overview**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>BSV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native Platform</td>
<td>BSV Metanet</td>
</tr>
<tr>
<td>Primary Purpose</td>
<td>Platform’s Native Asset</td>
</tr>
<tr>
<td>Current Price / All-Time High</td>
<td>$184.32 / $491.62</td>
</tr>
<tr>
<td>52 Wk Range (High/Low)</td>
<td>$129.34 / $491.62</td>
</tr>
<tr>
<td>Market Cap ($B)</td>
<td>$3.5B</td>
</tr>
<tr>
<td>24H Volume ($B)</td>
<td>$1.2B</td>
</tr>
<tr>
<td>Circulating Supply / Fully Diluted Supply</td>
<td>18.7M / 21M</td>
</tr>
<tr>
<td>24H Active Addresses / Transaction Count</td>
<td>276K / 249K</td>
</tr>
</tbody>
</table>

**BSV System Architecture**

**Blockchain Comparative Properties - Last Twelve Months**

<table>
<thead>
<tr>
<th></th>
<th>Bitcoin</th>
<th>Ethereum</th>
<th>BSV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Block Size</td>
<td>1.2 MB</td>
<td>43 KB</td>
<td>2.6 MB</td>
</tr>
<tr>
<td>Throughput (TPS)</td>
<td>7</td>
<td>15</td>
<td>5,124</td>
</tr>
<tr>
<td>Avg Transaction fees</td>
<td>$10.16</td>
<td>$8.22</td>
<td>$0.0013</td>
</tr>
<tr>
<td>Median Transaction Value</td>
<td>$128</td>
<td>$103</td>
<td>$0.04</td>
</tr>
</tbody>
</table>

Source: Fundstrat, Messari, Coinbase, Bitinfocharts, CoinMetrics
A Closer Look at the Evolution of the Web
Web 3.0 marks the transition to decentralized infrastructure

- Web 3.0 is the 3rd generation of the internet in which devices and data are connected in a decentralized network, leading to an experience that is user-centric, more secure and private.
- Whereas previous iterations of the Web relied on centralized internet service providers who monetize user data, Web 3.0 is being built to empower users to take control of apps and their data via its decentralization design.

<table>
<thead>
<tr>
<th>Web 1.0</th>
<th>Web 2.0</th>
<th>Web 3.0</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Simple Banner Adds were seen" /></td>
<td><img src="image" alt="Automatics texts, graphical and interactive ads" /></td>
<td><strong>Semantic Web:</strong> Better understands contents in web rather than focusing on keywords and numeric values</td>
</tr>
<tr>
<td><img src="image" alt="Basic Content Delivery Networks were introduced" /></td>
<td><img src="image" alt="B2B and P2P file sharing protocols invented" /></td>
<td><strong>Artificial Intelligence:</strong> Computers now understand information and have the ability of language processing</td>
</tr>
<tr>
<td><img src="image" alt="Personal websites were rare" /></td>
<td><img src="image" alt="Blogging became popular" /></td>
<td><strong>3D Graphics:</strong> Virtual reality and natural looking graphics extensively used</td>
</tr>
<tr>
<td><img src="image" alt="Page views and screen scrapping were introduced" /></td>
<td><img src="image" alt="Cost Per Click and Web Services took over" /></td>
<td><strong>Ubiquity:</strong> Every device is connected to the network and accessible via various applications</td>
</tr>
<tr>
<td><img src="image" alt="Contents had directories or taxonomy systems" /></td>
<td><img src="image" alt="Website, image and video tags became a hype, replacing taxonomy systems" /></td>
<td><strong>P2P Network:</strong> Decentralized network that dissolves the need for a centralized authority</td>
</tr>
<tr>
<td><img src="image" alt="Semantic Web: Better understands contents in web rather than focusing on keywords and numeric values" /></td>
<td><img src="image" alt="Enhanced Connection: Semantic metadata to provide users better connectivity" /></td>
<td><strong>Enhanced Connection:</strong> Semantic metadata to provide users better connectivity</td>
</tr>
</tbody>
</table>

Figure: Progression of the web infrastructure and capabilities

Source: Fundstrat
Removing Layers Of The Existing Tech Stack For Efficiency
Layers comprising the blockchain-as-a-service cloud stack

- Traditional vendor-managed systems require additional layers to function and continue to be part of Web 2.0 while the new blockchain OSI model is lighter-weight and optimized for Web 3.0 functionality.
- The Web today is centralized, human mediated and controlled by for-profit corporations. In Web 3.0, individuals own their data while applications run on decentralized, autonomous, peer-to-peer blockchain software platforms.

Figure: Open System Interconnection (OSI) comparison

<table>
<thead>
<tr>
<th>Traditional IT</th>
<th>IaaS</th>
<th>PaaS</th>
<th>SaaS</th>
</tr>
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<tbody>
<tr>
<td>Applications</td>
<td>Applications</td>
<td>Applications</td>
<td>Applications</td>
</tr>
<tr>
<td>Runtimes</td>
<td>Runtimes</td>
<td>Runtimes</td>
<td>Runtimes</td>
</tr>
<tr>
<td>Security &amp; Integration</td>
<td>Security &amp; Integration</td>
<td>Security &amp; Integration</td>
<td>Security &amp; Integration</td>
</tr>
<tr>
<td>Databases</td>
<td>Databases</td>
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<tr>
<td>Servers</td>
<td>Servers</td>
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<tr>
<td>Visualization</td>
<td>Visualization</td>
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<tr>
<td>Server</td>
<td>Server</td>
<td>Server</td>
<td>Server</td>
</tr>
<tr>
<td>Storage</td>
<td>Storage</td>
<td>Storage</td>
<td>Storage</td>
</tr>
<tr>
<td>Networking</td>
<td>Networking</td>
<td>Networking</td>
<td>Networking</td>
</tr>
</tbody>
</table>

Source: Fundstrat, Turnkey Technologies
Blockchain-as-a-Service (BaaS)
The Case for Enterprise Use

Benefits of BaaS

- Universal Storage Capabilities
- Traceable & Immutable Data
- Reduces Costs
- Improves Data, Administrative Duties and Communication
- Reduces Implementation Risks
- Improves Efficiency, Accountability and Transparency

Global BaaS Market Size

- $2 in 2019
- $25 in 2025

BaaS Market Share by Industry in 2019

- BFSI: 40%
- TMT: 18%
- Healthcare: 15%
- Retail/Consumer: 10%
- Travel/Transport: 10%
- Energy/Utilities: 3%
- Manufacturing: 2%
- Government: 2%
- Others: 2%

BaaS Vendors

- Accenture
- IBM
- Alibaba Cloud
- AWS
- ORACLE
- HUAWEI
- Microsoft

Companies Using BaaS

- Mastercard
- Westpac
- ANZ
- UBS
- EY
- DHL
- TenneT

Source: Fundstrat, Bitcoin.com, Fortune Business Insights
BSV Blockchain Targeting Enterprise Big Data
Big Data’s shift towards the web 3.0 operating system

• The Big Data landscape continues to evolve and BSV aims to act as the foundational data layer that enables competing projects to build interfaces on top of its agile, speedy and low-cost architecture, making it uniquely suited for enterprise Big Data use cases.

Figure: Key features required for modern big data implementation

Three V’s of Big Data

Volume: The amount of data matters. With big data, enterprises need to process high volumes of low-density, unstructured data. This can be data of unknown value, such as Twitter data feeds, click streams on a webpage or a mobile app, or sensor-enabled equipment. For some organizations, this might be tens of terabytes to hundreds of petabytes of data.

Velocity: Velocity is the fast rate at which data is received and possibly acted on. Normally, the highest velocity of data streams directly into memory versus being written to disk. Some internet-enabled smart products operate in real time or near real time and will require real-time evaluation and action.

Variety: In today’s big data world, data comes in new unstructured data types. Unstructured and semi-structured data types, such as text, audio, and video require addition preprocessing to derive meaning and support metadata.
Centralized Systems Are Prone To Data Breaches & Loss

The cost of vulnerability in incumbent security systems

- Far-reaching consequences such as financial loss and operational disruption are common consequences in the event of a data breach. Other consequences may include negative media coverage, reputational damage and loss of competitive advantage. Cybersecurity has become one of the most important topics for corporate executives.

Figure: Cybersecurity Facts and Statistics

- Average Cost per Compromised Record: $246
- Cause: Employee Negligence 31%; System Glitches 25%
- Data breaches exposed 36 billion records in 1H 2020
- 1001 data breaches occurred in the U.S. in 2020
- The IT Security market is expected to be $170.4 billion in 2022
- Average total cost of data breach $3.86 million globally, U.S.A $8.64 million
- 280 days: Average time to identify and contain a breach
- Healthcare: Most expensive industry $7.13 million
- Source: Fundstrat, Statista, IBM, Apriorit, Varonis
Today, more than 2.5 exabytes (2.5 billion gigabytes) of data is generated every single day in the Americas alone. Significant growth is expected with mobile devices accounting for most data. The Big Data business has become a major industry as the evolving need for servers, cybersecurity, privacy, speed, accessibility and multi-connectivity continues to outpace the growth of other industries.

Figure: Big Data generated at major U.S. companies

**Google**
- Collects 500 terabytes daily data
- 2.5B pieces of content
- 2.7B “likes”
- 300M photos
- 100 petabytes of photo/video since 2012
- 3.5B requests daily
- ~10+ Exabytes of data
- Photos, videos, statistics and documents are the most popular

**Amazon**
- 3.5B requests daily
- ~10+ Exabytes of data
- Photos, videos, statistics and documents are the most popular

**Twitter**
- 500,000 Tweets every minute
- 30+M tags every hour
- 30+B Tweets a month
- Integrated AI to filter content
- 650k S3 requests per second
- 600M objects hosted on AWS
- 60,000 use AWS

**WhatsApp**
- 65B WhatsApp messages daily
- 5 million business use it
- In 180 countries / 60 languages
- 1B groups worldwide

Source: Fundstrat, CloudTweak, Statista, Kommando Tech, Kroll
The Internet of Things ("IoT") is an interconnected system of physical devices embedded with software and sensors to streamline information across the network via the internet. It is expected that in the next 5 years, there will be 50B+ IoT devices in existence. These IoT networks have shown exceptional data collection, analysis, reporting, and prediction behavior for integration into future planning.

Connecting the Internet of Everything ("IoE")

Internet of Things ("IoT") devices require secure connectivity

Benefits of Public Blockchain

- Data is distributed, encrypted and cross-checked
- User pseudonymity & confidentiality
- Ability to monetize IoT data using chain’s native token
- Data Integrity – no altering
- Resilience in data
- Data transparency and traceability
- Increase customer trust

Figure: IoE in the Context of Ubiquitous Decentralization

Source: Fundstrat, BSV, Forbes, Cloudtweaks (1) Edge: Refers to Edge Computing
The IoT Unlocks The Value Of Our “Smart” Devices
IoT requires decentralized public blockchain infrastructure

- IoT provides real-time data analysis for businesses in a synthesized manner which enables them to access valuable data. IoT focuses on automation, improving processes and enhancing user experience.
- IoT suffers from privacy and security vulnerabilities. Public blockchain provides secure, immutable and trust-worthy clean data on a decentralized network.

Figure: IoT – From Connection to Benefit

Source: Fundstrat
BSV’s Metanet Empowers Users To Take Control Of Their Data
The Metanet protocol allows users to own their on-chain content

- User data drives new growth opportunities but poses a security challenge. BSV’s Metanet grants users the ability to have full ownership of their data on a blockchain that is tamper-proof, traceable and immutable.

Figure: Cycle of the Metanet

1. **Data**
   Developers connect their apps to data providers like Planaria (for a serverless app) or Bitbus (for building specialized backend and node) to help convert the blockchain into a searchable API.

2. **SPV Check**
   Simplified Payment Verification (SPV) is used to verify the legitimacy of the information received from data providers. SPV will become significant as more mission-critical software is built around this model.

3. **Merkle Proof**
   A Merkle Proof in an SPV shows the existence of a transaction in a specific block. This doesn’t require the user to review all the transactions in that block. This is used to verify that a transaction is included in a Merkle tree.

Source: Fundstrat, CoinGeek
Blockchain-as-a-Service on BSV

Ecosystem Overview

Select Company Profiles

Blockchain Metrics
BSV is a public blockchain designed for enterprise usage with the goal of enabling global, low-cost, developer-focused, immutable and scalable ecosystems. BSV real-life implementation uses can already be seen in industries such as supply chain, medical and financial institutions. As on-chain projects develop, BSV may be able to expand enterprise solutions on its blockchain.

Figure: BSV Infrastructure Stack
Building on the BSV Infrastructure
Implementing Solutions Across All Industries

• The BSV developer infrastructure layer allows for all types of data to be stored on the BSV ledger. The immutable data can be used to provide business opportunities, reduce costs, create trust, bring safety and business efficiency.

Figure: BSV Infrastructure Case Uses

Enterprise Applications

• Juvatech, a behavioral neuroscience technology company that supports researchers who conduct behavioral testing on therapeutic compounds is helping provide clean clinical research data at low costs.

• Unisot’s seafood system allows for the collection, verification, tracking, tracing and data management of whole seafood supply chain cycle. The system connects to IoT devices and ERP data companies, allowing for a verifiable and real-time data system.

• Powered by Unisot, Abendum is a triple entry accounting system that securely connects accounting records to the Blockchain. This new accounting system aims to save millions lost to corporate fraud while transparently legitimating data via the BSV Blockchain.

• EHR Data plans to be a global facilitator of patient data, improve safety, privacy and overall health outcomes. The company is giving patients full control of their data while incentivizing them to choose to share it with their individual healthcare providers and other chosen entities.

Tooling / Developer Infrastructure

• Veridat partners with Juvatech. Veridat from an infrastructural point timestamps data with a hash. Veridat files the hash on the BSV blockchain and stores metadata on its own cloud server.

• Results of hash and metadata are included in a physical Verified (and bound) Audit Reporting eLab Notebook.

• Restore verifiable data trust and save money.

• Unisot provides an enterprise supply chain management “Platform as a service”. Its platform includes data-gathering, data-gathering, exchange and monitoring tools that can track products for any industry – with initial focus on seafood and other food & beverage.

• Unisot’s infrastructure capabilities allow for auditing trails to be stored and accessed via BSV’s blockchain. It has built modules for common business data functions – including an IoT Integration Engine; Secure Document Collaboration; and UNISOT ID management.

• nChain provides solutions to make it easy for businesses to record, manage and use data on the BSV blockchain, leveraging the chain’s unbounded transaction and data capacity with fast speed and low costs.

• nChain is working with EHR Data to give health care providers real-time access to a patient’s full history, and to give patients more control and ownership of their health care data, as well as freedom to share it with anyone transacting on the BSV network.

BSV Blockchain Base Layer

For exclusive use of Fundstrat clients only
June 4, 2021
Slide 15
From eSports to Enterprise Big Data Solutions, BSV aims to be a data transmission vehicle that enables the creation, transmission and transaction of financial value for all types of data. Start-ups, governments, financial institutions and established businesses have started using BSV “in the background” to solve challenges. As more implementation use cases develop on the BSV network, the BSV ecosystem may see additional growth.

BSV’s Existing Application Landscape
Covering a Wide Range of Markets Globally

Figure: Applications being built on BSV based on sectors

Source: MetaStore, UseThatBitcoin
BSV Acceptance and Adoption
Top Industries and Countries Embracing BSV

**Merchants Accepting BSV (as % of participating businesses)**

- Shops/Markets: 32.04%
- Internet Services: 28.42%
- Crypto Services: 14.61%
- Business Services: 8.45%
- Web Marketing / Dev.: 4.96%
- Gaming: 3.49%
- Offline Services: 3.35%
- Gambling: 2.55%
- Tourism/Travel/Renting: 2.14%

**BSV Adoption By Country (as % of businesses accepting BSV)**

- USA: 19.78%
- UK: 11.94%
- Estonia: 4.48%
- Canada: 4.48%
- Germany: 4.10%
- Netherlands: 4.10%
- Australia: 3.36%
- India: 2.99%
- Lithuania: 2.99%
- Hong Kong: 2.61%
- France: 1.87%
- Switzerland: 1.87%
- Italy: 1.49%
- Greece: 1.49%
- UA Emirates: 1.49%

Source: Cryptwerk Analytics. Data represents only merchants registered with Cryptwerk.
## Company Overview

<table>
<thead>
<tr>
<th>Company</th>
<th>Domineum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Website</td>
<td><a href="https://www.domineum.io">https://www.domineum.io</a></td>
</tr>
<tr>
<td>CEO</td>
<td>Geoffrey Weli-Wosu</td>
</tr>
<tr>
<td>Headquarters</td>
<td>London, United Kingdom</td>
</tr>
<tr>
<td>Founded</td>
<td>2017</td>
</tr>
<tr>
<td>Industry Segment</td>
<td>BaaS Platform Provider</td>
</tr>
<tr>
<td>Business Description</td>
<td>E-solutions facilitating government, cargo and real estate transactions, among other industries</td>
</tr>
</tbody>
</table>

## Key Features

- Domineum has partnered with nChain to build on the BSV blockchain in order to facilitate services such as land registration in Africa, cargo tracking, mortgage banking among other emerging industries.
- Land Registration with Domineum **reduces all line item expenses to just one and typically takes 5-10 working days**.
- All data can be stored on the BSV blockchain including covering letter with address, Form 1C, Certified True Copy of title document, tax clearance certificates of the assignor and assignee, Deed of Consent, Survey Plan and more.

## Products & Services Overview

### Land Registry System

- Land Registry System involves documentation of ownership, possession or other rights over land/landed properties with a government agency. It provides evidence of title or ownership which can facilitate transactions and prevent unlawful disposal.

### Mortgage Banking

- Mortgage banking is done by a specialized commercial bank dedicated to raising funds and providing loan facilities in which land or property is used as collateral.

### Cargo Tracking System

- Domineum Marine provides operations management including supply-chain security management for ISPS Code, revenue generation and collection for Cargo Tracking Notes and Transport and Port Management Systems.

## Case Studies

- Domineum land registry & marine cargo tracking systems has or will launch proof of concepts in Nigeria, Bahamas & Sierra Leone.

Source: Fundstrat, Domineum
Transmira (Omniscape)

Company Overview

- **Company:** Transmira
- **Website:** [https://transmira.com/](https://transmira.com/)  [https://www.omniscape.com/](https://www.omniscape.com/)
- **CEO:** Robert Rice
- **Headquarters:** Raleigh, North Carolina
- **Founded:** 2014
- **Industry Segment:** XR Marketing Platform
- **Business Description:** Location-based XR Platform Blending AR & VR

Highlighted Features

- Branded Virtual Goods
- AI-driven Holograms
- Gamification
- Geolocation
- Dashboard Analytics
- Campaign Management Tool
- Multi-platform Android + iOS
- Multi-lingual

Product Overview

- Transmira is developing a global-scale XR platform and cloud, blending Augmented Reality and Virtual Reality, creating a comprehensive cyberspace
- Through its Omniscape platform, Transmira aims to be the first to monetize AR for businesses, brands, and content creators
- Omniscape provides experiential marketing to leverage the power of location and augmented reality to maximize reach, revenue, and retention for brands and businesses

Select Partnerships

- **Transmira and Kognition** will collaborate to develop XR technology and create the next generation of smart cities and intelligent architecture including stadiums, office buildings, retail centers, university campuses, hotels, airports and more.
Company Overview

- **Company:** Veridat
- **Website:** [https://veridat.io/](https://veridat.io/)
- **Director:** Phillip Runyan
- **Headquarters:** Toledo, Ohio
- **Founded:** 2020
- **Industry Segment:** SaaS Platform Provider
- **Business Description:** Supporting research & data integrity for the pharmaceutical industry

Highlighted Features

- **RESTful API**
  - The standard protocol for web APIs
- **Customize**
  - Unique metadata & folder structures
- **Admin**
  - Permission access through identity & access management
- **Data Validation**
  - Generate and verify hash values of secure data
- **Reporting**
  - Search, sort, filter, and export verified data

Select Partnerships

- **JuvaTech** is integrating **Veridat’s** flagship product, **Bench**, into its own workflow. **JuvaTech** is aiming to assist pharma companies verify the compounds used in drug production in clinical trials, especially when the active ingredients are sourced abroad.

Source: Fundstrat, Veridat
Company Overview

Company: PeerJoin
Website: [https://peerjoin.com/](https://peerjoin.com/)  [https://peergame.com/](https://peergame.com/)
Headquarters: Curaçao
Founded: 2019
Industry Segment: iGaming Technology
Business Description: End-to-end solutions for BSV-based iGaming industry

Key Features

- PeerJoin’s mission is to provide a new gaming and betting experience that is **frictionless, fast, and provably fair**
- The company implemented the provably fair algorithm to provide **fully transparent and verifiable game results using hash functions on the BSV blockchain**
- PeerJoin chose to use the BSV blockchain because it provides a **“stable protocol and massive on-chain scaling” supporting its ecosystem of games**

Products & Services Overview

Game Development

- PeerJoin delegates an engineering team and UI/UX designer, fully dedicating to develop a game for the partner

Bankroll Management

- PeerJoin manages the bankroll on behalf of its partners so they don’t have to worry about losing money by hackers or accidents

Multi-wallet Integration

- PeerJoin integrates available BSV wallets, such as Moneybutton, Handcash, RelayX, and more

Customizable UI

- In the process of setting up the partner site, PeerJoin will build the site based on the design and branding taste of the partner

Partner Dashboard

- PeerJoin provides a dashboard for partners to view data such as user traffic, transactions, betting amount, revenue, etc.

Select Live Games

Source: Fundstrat, Domineum
Company Overview

Company: Vaionex
Website: https://vaionex.com/index.html
CEO: Robin Kohze
Headquarters: Newark, Delaware
Founded: 2016
Industry Segment: BSV Blockchain Infrastructure
Business Description: Third-party development services of BSV applications

Services Overview

- Vaionex's team offers third-party development services to build professional blockchain platforms on the BSV blockchain
- Vaionex's platforms support decentralized wallet and token integrations while using professional development best practices
- Token Solutions crafts custom token solutions with legal compliance, ApiAndMe specializes in creating innovative APIs, and Platform Development develops custom-made platforms for third-parties

Applications Launched

- SatoLearn offers Courses designed to educate users and build technical skills to interact on the BSV blockchain
- Media content is scattered across the web with few clear connections. Raspora is a decentralized platform that seeks to interrelate many of these lost dots.
- Secure BSV data storage enabling users and developers to easily access data stored on the blockchain and create databases, host websites, and store files on-chain
- Seamlessly integrate code snippets to speed up application development on BSV, and enable developers to generate additional income by producing and selling code
- Empower developers to build and find the APIs that connect their applications to the world with BSV micropayments

Source: Fundstrat, Vaionex
Company Overview

Company: VXPass  
Website: [https://www.vxpass.com/](https://www.vxpass.com/)  
CEO: Zachary Weiner  
Headquarters: United States  
Founded: 2021  
Industry Segment: Enterprise / Medical Solutions  
Business Description: Manage, store and verify records for global COVID-19 vaccination programs

Services Overview

- VXPass’s team offers simple, secure and smart full-cycle vaccination management, data storage and record verification solutions on a blockchain-based platform developed on the BSV blockchain.
- VXPass provides the digital structure for vaccine administration and verification, enabling both governments and public bodies to assess and monitor vaccination programs in real-time, while ensuring transparency and personal control for the public at large.

Click, Scan, Share

- Simple: VXPass works using a QR code that is unique to each person and used to record COVID-19 vaccinations and progress.
- Secure: VXPass tokenizes the inoculation process protecting patients and their data. All data is recorded on the BSV blockchain and easily accessible.
- Smart: VXPass uses Smart Objects for patients to securely share their token with Health Care Providers.

- The African nation of Lesotho, has contracted VXPass to manage the first 560,000 vaccinations administered by SESIU in Lesotho and plans to have 1.2M people vaccinated and verified by end of 2021.
- VXPass frees governments, HCPs, insurers, and pharmaceutical companies of the burden of building an infrastructure to handle this unprecedented influx.

Source: Fundstrat, VXPass
MatterCloud

Company Overview

Company: MatterCloud
Website: https://www.mattercloud.io/
CEO: Attila Aros
Founded: 2019
Industry Segment: Enterprise Software / API’s
Business Description: Blockchain Infrastructure built for developers to utilize payments, transaction storage, smart contracts, media distribution and more

Key Advantages

- Customizable blockchain infrastructure built on the BSV network that provides speed, low costs and scalability. It provides a developer suite that provides an array of tools and open-source components for every use case

Products & Services Overview

BitcoinFiles Data Network
- Permanent secure file storage on blockchain. A scalable media delivery network with real-time transaction filtering and monitoring

TXQ
- An all-in-one publisher, storage system, work queue and transaction indexer. Merchant API (mapi) compatible to reliably send to miners

Global Transaction Indexes (TXDB)
- Real-time global blockchain data to search and query transactions, addresses and scripthash

Paymail Hosting
- Securely and easily integrates Paymail and Bitcoin smart contracts to payments and email workflows

MatterPool: Boost
- Signaling method that associates content with spent energy. Boost is powered by MatterPool

Source: Fundstrat, MatterCloud.io
## DotWallet

### Company Overview

<table>
<thead>
<tr>
<th>Company</th>
<th>DotWallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEO</td>
<td>Lin Zheming</td>
</tr>
<tr>
<td>Headquarters</td>
<td>China, Fuzhou</td>
</tr>
<tr>
<td>Founded</td>
<td>2016</td>
</tr>
<tr>
<td>Industry Segment</td>
<td>Wallets / Payments</td>
</tr>
<tr>
<td>Business Description</td>
<td>Digital Asset Management and Application Ecosystem</td>
</tr>
</tbody>
</table>

### Key BSV Features

- Zero confirmations instant payments where all data can be audited on the BSV chain
- Real-time international transactions using the BSV currency accelerates value transfer, eliminating third-parties to facility trust, speed and low-cost transactions
- RBI/Dodian Open Platform provides tools for developers to easily integrate BSV blockchain functions – including payments, tokenization and blockchain queries

### Products & Services Overview

**DotWallet Pro**

- Enable customers to hold public chain digital currencies (BSV/ETH/BTC).
- Over 10 million monthly transactions
- All kinds of membership cards, game items, etc can be saved on the blockchain and owned by users. The easiest trusted way on the BSV network to transfer assets without network node congestion.

**Assets:**

- BSV

**Cards:**

- CRYPTOCard

### DotWallet: 900+ Partners

- [Cityonchain](https://cityonchain.com)
- [Bitcoin Association](https://www.bitcoin.org)
- [mempool](https://mempool.space)
- [Blockchair](https://blockchair.com)
- [SatoPlay](https://satoplay.com)
- [Blockchain.cn](https://www.blockchaincn.com)

### Select Applications

- **BitBoss:** The market-leading blockchain-based casino application bringing improved mobile app adoption and inexpensive online customer conversion, bringing online games and sports betting to DotWallet’s 1+ million users
Blockchain-as-a-Service on BSV

Ecosystem Overview

Select Company Profiles

Blockchain Metrics
Applications Require Cheaper Fees To Enable All Use Cases

The Case for Low-Cost Blockchain Technology

- The typical BSV transaction fee is one of the lowest across the BTC, ETH and BCH blockchains. We recognize that many other chains are focused on scalability, but these generally do not use proof-of-work consensus, which may be ideal from some use cases, hence we show these comps. Transaction fees charged by players in the traditional financial system are much higher. For example, Visa charges 2% of the value of the transaction + base costs and PayPal charges 2.9% of the value + $0.30 per transaction. Compared to other blockchain and traditional finance channels, BSV may offer a value proposition that enterprises find compelling.

Figure: 14-DMA Transaction Fee, Transaction Count and Median Transaction Value
Date: May 24, 2021

Source: Fundstrat, BSV, Coinmetrics
BSV’s Blockchain Scalability to Handle More Data
Data blocks size growth will fuel enterprise data solutions

• In just over a few years, BSV has caught up to and surpassed the BTC blockchain data blocks size. For some applications, a large blockchain data size is viewed as negative since it may reduce decentralization, but this trade-off can be positive for some use cases. The BSV community sees this growth in the BSV blockchain data size as a demonstration that BSV can scale to support all types of enterprise data solutions.

Figure: Accumulated Block Count Comparison, BSV surpassing BTC on accumulated data size blocks

Source: Fundstrat, Blockchair
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Neutral (N): The analyst expects the performance of his or her industry/sector coverage universe over the next 6-18 months to be in line with the relevant broad market benchmark, being the S&P 500 for North America.

Negative (-): The analyst expects his or her industry coverage universe over the next 6-18 months to underperform vs. the relevant broad market benchmark, being the S&P 500 for North America.

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