

MONEY IN THE 21ST CENTURY

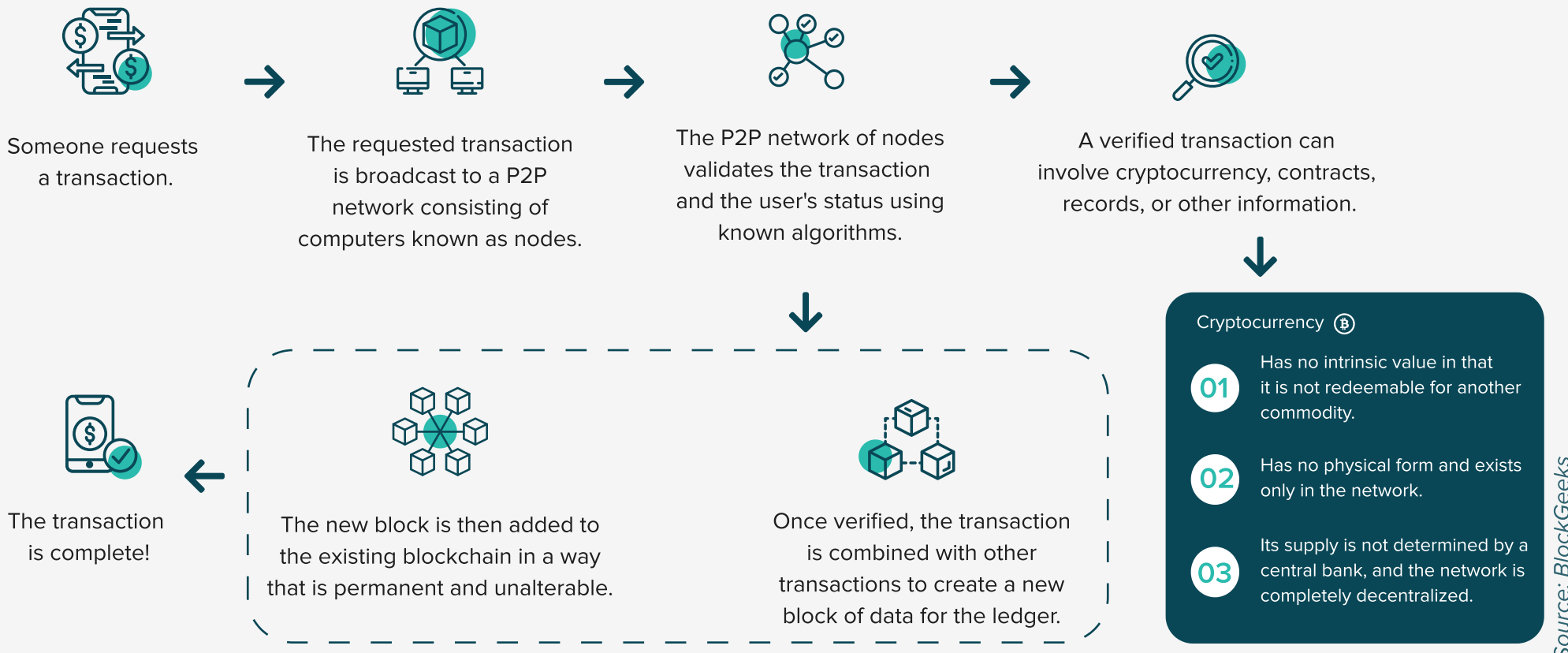
PRELUDE

A virtual currency that uses cryptography or virtual currency that is protected by encryption, making counterfeiting and double-spending practically impossible. Many cryptocurrencies are built on blockchain technology, which is a distributed ledger enforced by a global network of computers. Cryptocurrencies are distinguished by the fact that they are not issued by any central authority, making them potentially impervious to government intervention or manipulation.

Key take ways:

- 01** A cryptocurrency is a type of digital asset that is built on a network that spans a huge number of computers.
- 02** Many industries, including banking and law, are expected to be disrupted by blockchain & associated technologies, according to experts.
- 03** Cryptocurrencies have a number of advantages, including cheaper and quicker money transactions and decentralised systems that do not have a single point of failure.
- 04** The price volatility of cryptocurrencies, as well as the significant energy consumption of mining operations and their application in criminal activities, are all negatives.

How does cryptocurrency coins work?



Why are people adopting cryptocurrency?

The goal of bitcoin is to eliminate all of the problems associated with traditional banking. There are no restrictions on how much money you can send with bitcoin, and accounts are nearly hard to hack because you aren't dealing with a financial institution. There is also no single point of failure.

- Decentralization means there is no single point of failure, no single point of trust, and no single point of control (no central authority).
- Non-repudiation and Irreversibility of records with pseudo-anonymous transactions provide security and anonymity.
- Transparency, auditability, and governance: Anybody may join and participants can directly check the authenticity of records without having to rely on external queries.

Is Cryptocurrency Secure?

The backend procedure for bitcoin transactions is highly complicated, and transactions are time-stamped and logged in blocks. Hackers have a hard time breaking through due to the cryptocurrency's complexity, keeping it relatively safe.

The technology that underpins cryptocurrencies is known as blockchain.

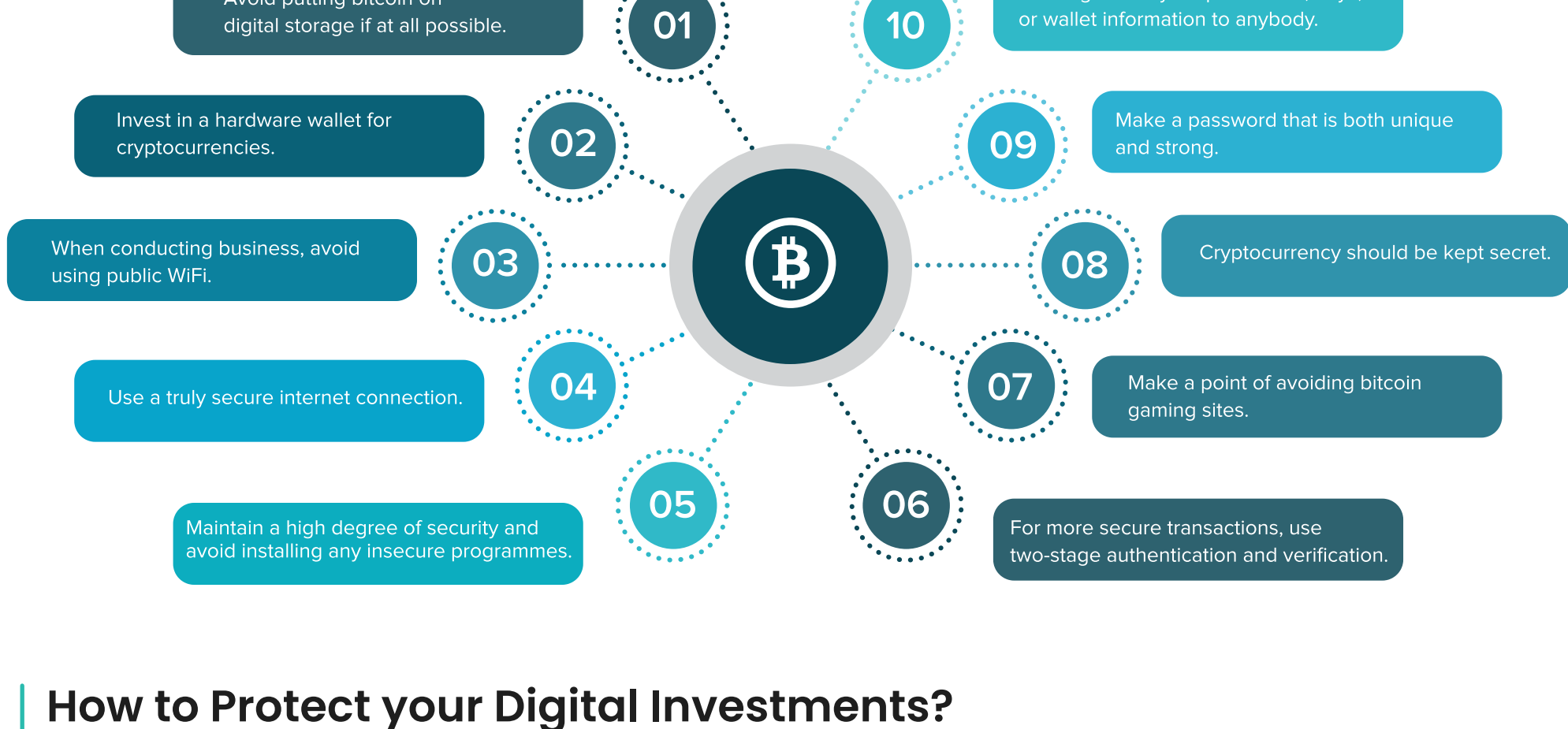
Also, by adopting various precautions, which we will describe later in this post, Bitcoin may become more safe. For the time being, several fundamental considerations must be made, such as a two-stage verification procedure when conducting bitcoin transactions. When processing transactions,

For example, you must first provide a login and then a verification code that is given to your personal smartphone by text or email.

How to Protect your Digital Investments?

- 01** Thorough Run Research on Exchanges
- 02** Store your Cryptocurrency Safely
- 03** Using a Hybrid Strategy will be a wise investment
- 04** Use a strong password
- 05** Use trustworthy wallets
- 06** Keep the key secret

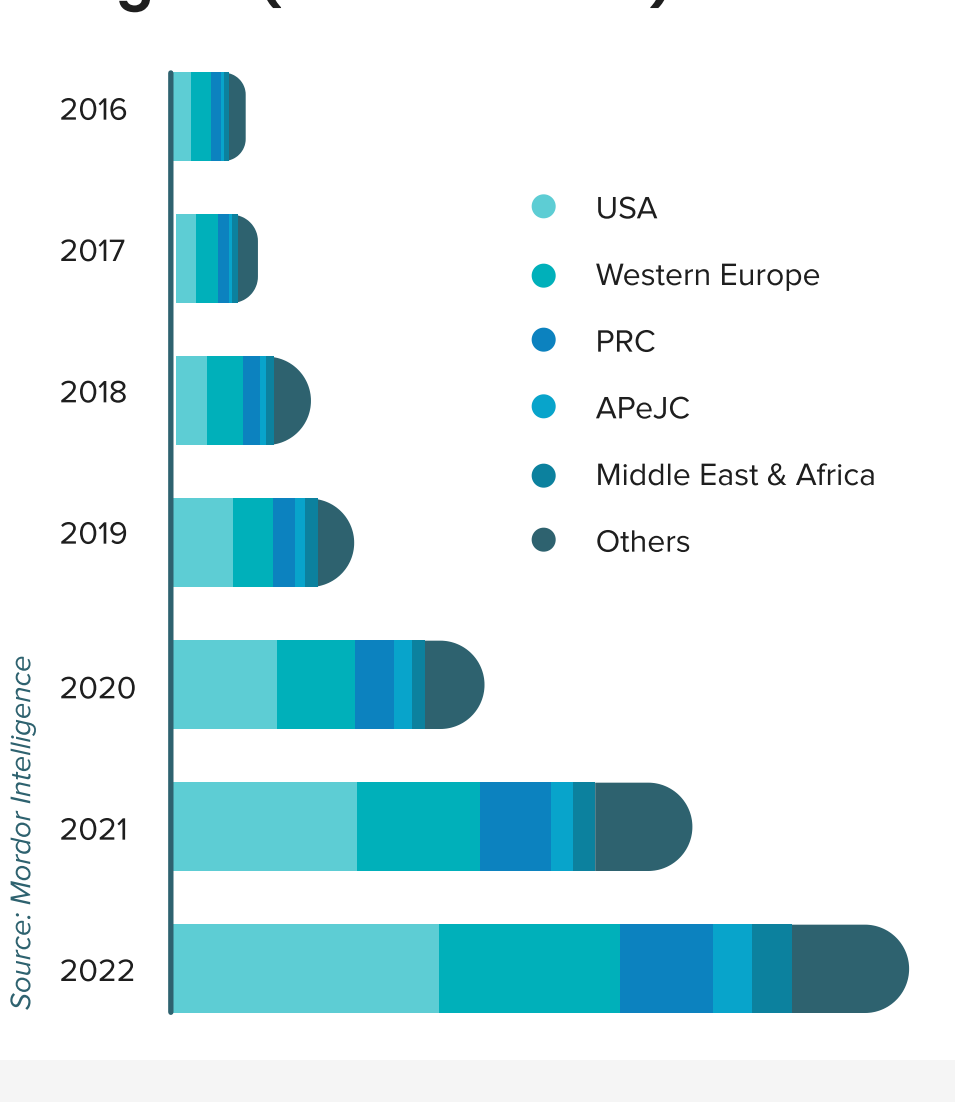
Steps to Preventing Cyber-Attacks on Your Cryptocurrency:



How to Protect your Digital Investments?

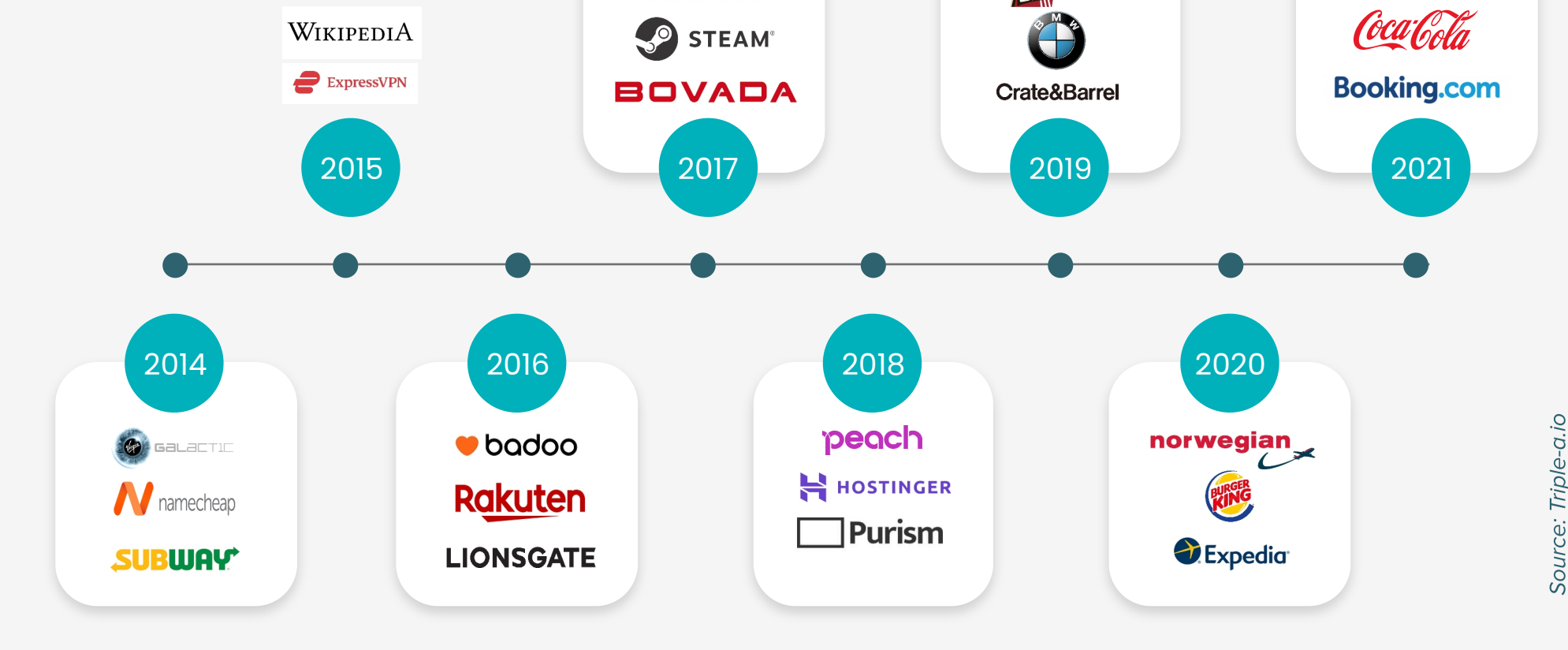
- Because it is not connected to the internet, Cold Wallet is a superior solution.
- Keeping track of many wallets.
- Change your password frequently.
- Antivirus software is also recommended to safeguard your device from viruses and malfunctions.
- Using a safe Internet connection.
- Ignore any phishing emails that arrive in your inbox.
- Make sure your gadgets are up to date with the newest software.
- Separate your keys and keep them in a safe place.

Worldwide spending on Blockchain Solutions, 2016 to 2022, by region (in billion USD).



Top 10 Cryptocurrency	Price	Market Cap
Bitcoin (BTC)	\$37,340	\$700 billion
Ethereum (ETH)	\$2,496	\$293 billion
Tether (USDT)	\$1.00	\$78 billion
Binance Coin (BNB)	\$385.66	\$62 billion
USD Coin (USDC)	\$1.00	\$48 billion
Cardano (ADA)	\$1.07	\$35 billion
Solana (SOL)	\$98.89	\$30 billion
XRP (XRP)	\$0.6162	\$29 billion
Terra (LUNA)	\$66.07	\$26 billion
Dogecoin (DOGE)	\$0.1465	\$19 billion

The world's most well-known brands now accept cryptocurrency payments:



Pros in cryptocurrency

- 01** **The unbanked**
There are 2 billion people in the world who do not have access to a bank account. One would think that in this day and age, this would be a thing of the past, but it isn't.
- 02** **Remittances**
The remittance market is expected to surpass \$1 trillion in the near future. Around 20% of it is lost to intermediaries and middlemen in the form of fees and commissions, never reaching the people who need it the most.
- 03** **Inflation**
Cryptocurrency has a very excellent marginal score against inflation.
- 04** **Investment**
Bitcoin is a good investment since it grows at a rate of 200 percent each year on average. Nothing compares to it in terms of investment. Nothing, not gold, not real estate, not stocks.
- 05** **Trading**
Traders are quite enthusiastic about the new Defi platform. They can perform almost every function that brokers, banks, and financial centres can, but they can do it quickly, cheaply, efficiently, and automatically.
- 06** **Tokenization**
Expensive assets, like as real estate, might be broken down into smaller pieces, each with its own worth. Tokenization is the term for this procedure.
- 07** **Battery**
Bitcoin as a battery, contrary to common assumption, Bitcoin has the potential to solve many of the world's energy-related concerns.
- 08** **Blockchain**
Satoshi Nakamoto created the concept of blockchain as an immutable public ledger where all transactions are recorded in an immutable, permanent, and transparent manner.

What are the recent challenges in cryptocurrency?

- Market Volatility:** Every investment market is prone to volatility, but crypto markets are no exception. CEO's must keep a long-term perspective in the midst of huge short-term volatility due to the unpredictability of crypto's future. Today's volatility is referred to as the "Crypto Winter," a period in which investment and adoption of crypto have remained static.
- Human Resources:** CEO's, more than anything else, are people leaders. Crypto firms can't adapt to market difficulties or plan for the future if they don't have the proper people on board. Leaders of crypto enterprises must be cautious in their attempts to attract and retain the best technical and non-technical people since crypto proficiency is as uncommon as it is valuable.
- Finance:** Every firm, especially crypto enterprises, must be cautious about how they spend and track their cash. With both crypto and fiat money on the balance sheet, crypto CEO's can't afford to be too cautious when projecting.
- Regulation:** Crypto arose partially out of a desire to escape traditional regulation, but it won't stay in the Wild West for long. Companies should plan ahead of time to comply with new laws and be methodical when it comes to taxation and regulation as regulators seek to regulate the crypto landscape.
- Blockchain's technological evolution** is accelerating at a breakneck speed. As new and disruptive innovations will affect the way crypto firms function — and how their partners and clients interact with them — are more companies enter the market.
- Marketing:** Because of cryptocurrency's inherent volatility and high-profile frauds, these businesses have a shady image among potential clients. To keep a brand top of mind in its sector and up to date on current topics, marketing teams must be multifaceted and engaged across all channels.

Epilogue

We have covered a wide range of topics related to cryptocurrency security, including how to safeguard cryptocurrency and how to secure your digital assets by utilizing the correct exchanges and digital wallets.

We also discussed the use of actual wallets to store bitcoin. Understanding the notion of safely trading bitcoin is critical for profiting from it. Check out the blockchain council and look into cryptocurrency courses and certifications if you want to learn more about cryptocurrencies, trading, investing, and dealing with digital assets. You may also become a certified cryptocurrency specialist or a crypto adviser.

The future of money is a digital currency

-Bill Gates

SKILLMINE CYBER SECURITY TEAM