

Editorial

Blockchain has gained significant importance due to its ability to make digital transactions flow secure, transparent, and cost-efficient. By using blockchain technology in digital payments, transactions can be executed without the need for intermediaries such as banks, clearinghouses, or financial services providers. Earlier, before blockchain technology, the financial industry faced several challenges. One of the major issues was the lack of transparency and trust in transactions. Traditional banking systems rely on intermediaries such as banks or clearinghouses to facilitate and validate transactions. This often led to delays, high costs, and the potential for fraud. Additionally, the centralized nature of these systems makes them vulnerable to cyberattacks and data breaches. The global blockchain in financial services market size is expected to reach \$23.6 billion by 2024. 65% of financial institutions are planning to implement blockchain technology by 2023. 54% of financial institutions believe that blockchain will have a significant impact on their bottom line. Blockchain technology has steadily evolved to become a disruptive force in the financial services industry, often called the backbone of digital currency. Blockchain revolutionizes financial transactions, improving efficiency, reducing costs, and enhancing security. Blockchain data cannot be altered due to its immutability. The system ensures the security, authenticity, and accuracy of data. A public key and a private key are used for security. The public key is accessible to all users of the network. However, only the parties involved in the transaction have access to the private key. With the public key, all users in the network will be able to see the transaction. Only those with a private key will be able to see the details of the transaction and stakeholders. As a result, it ensures transparency and the security of confidential financial data. Several blockchain networks support zero-knowledge-proof technology as a privacy solution. It is possible to verify financial data without disclosing it. Blockchain can reduce many costs in finance. Blockchain technology can increase transparency and lower costs while ensuring security. Smart contracts can also be implemented in the systems of financial service providers like banks to reduce their costs for intermediaries, value transfers, bookkeeping. Financial services can benefit from blockchain technology, transforming the industry. A study found that blockchain can reduce errors by up to 95%, increase efficiency by 40%, and reduce capital consumption by up to 75%. In fine it can be said that blockchain technology has a significant impact on digital payments. It offers enhanced security, transparency, faster settlement, lower transaction costs, and global reach. As blockchain technology continues to evolve, it is likely to revolutionize the way we conduct digital transactions, making them more secure, efficient, and accessible to all.

Editor-in-Chief



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