



BLOCKCHAIN OF THE FUTURE

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Disclaimer

I Blockchain as a service

Blockchain is essentially a database technology with attributes that, taken alone, are not unique to it, but which collectively produce a technological breakthrough in how digital information is stored, verified and exchanged.

When the technology hit the scene in 2009 with the release of its first application, the Bitcoin cryptocurrency, blockchain had a Wild West feel akin to the early days of PC hackers, making the technology seem risky and unproven for business use. That began to change about five years ago when a burgeoning open source community began developing complete enterprise platforms, including the programmable blockchain, Ethereum.

Expectations for enterprise blockchain were sky-high to begin with, but the reality fell far short of the hype, and business blockchain projects were few and far between.

In the past two years, as household brands like Bumble Bee Foods, IBM, Walmart and Visa have proudly touted successful blockchain deployments, blockchain is getting a second chance at relevance in the enterprise. IT heavyweights including Amazon Web Services (AWS), IBM, Oracle and SAP have gotten behind it in a big way. Is blockchain ready for success in the enterprise?

"I would say we're still in the early stages," said Martha Bennett, vice president and principal analyst at Forrester Research. "I do have examples of where real processes are running in real operational environments and there is no fallback option." She named an interbank reconciliation application in Italy as an example.

But caution is warranted. Using blockchain for business applications will not be easy. Its technical underpinnings and their practical implications are difficult to grasp. That's true even for tech-savvy business leaders with a working knowledge of, say, ERP or e-commerce. For starters, blockchain is laden with concepts like consensus algorithms, hashing, distributed ledgers and bitcoin mining. These obscure-sounding terms aren't just under-the-hood details that only techies need to understand. They are the very thing that determines whether blockchain is worth considering at all, which applications it's best suited for, and the cheapest, most effective ways to implement it.

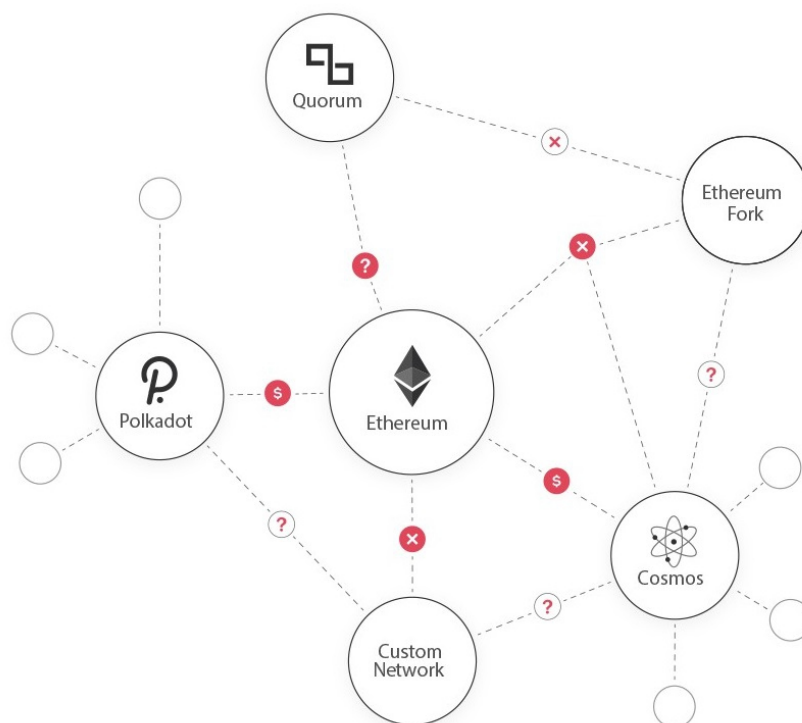
Blockmec have the key which is an accurate picture of what blockchain really does and doesn't do; the effects of its various deployment options, especially its network architectures; and where the heavy black lines are between blockchain and possibly better alternatives. Blockmec is the only way to get value from blockchain and avoid wasting money on spectacular failures.

Problem

Ethereum is the blockchain development platform of choice, but it has limitations:

- High Gas Fee
- Delayed PoW finality
- Tech stack not customizable
- Shared throughput/cloggin risk

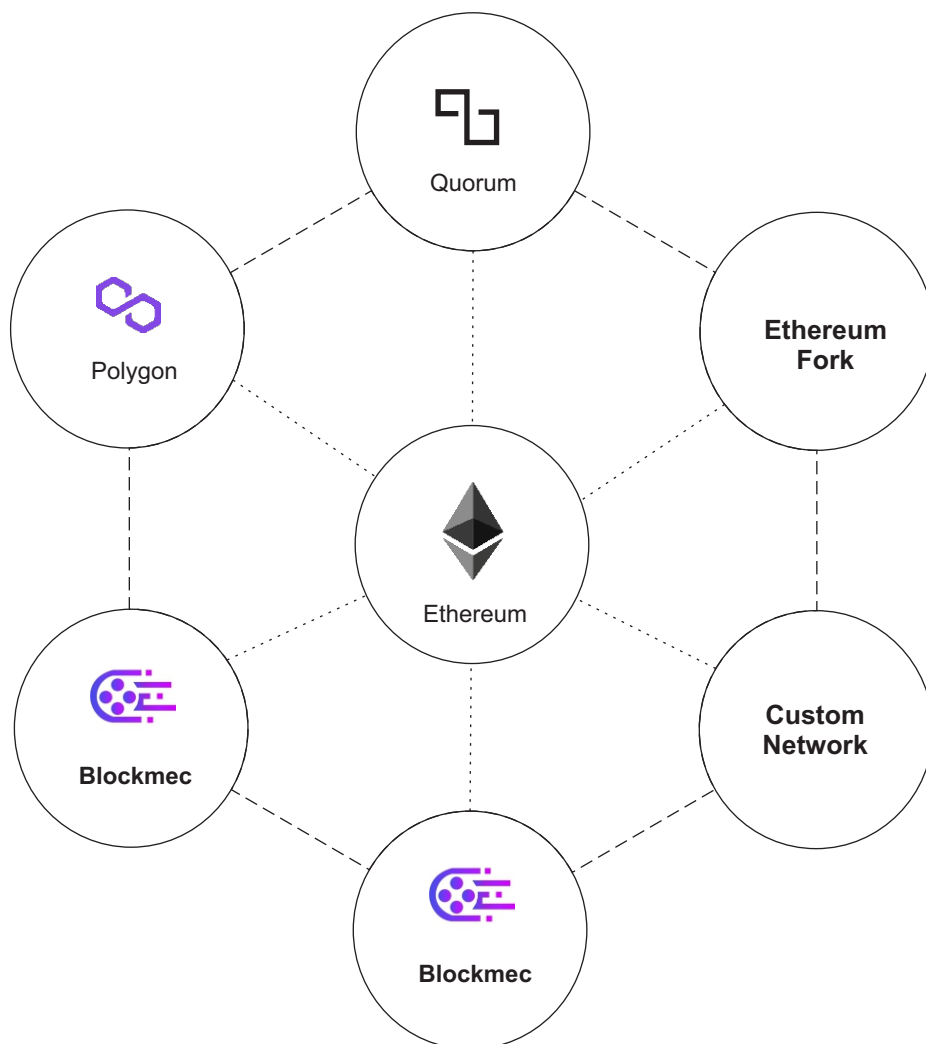
Different projects are exploring Ethereum-compatible blockchains as a way to mitigate these limitations while still leveraging on Ethereum's thriving ecosystem. However, there is no specialized framework to build such blockchains nor a protocol to connect them. This introduces significant development challenges and causes ecosystem fragmentation



The Solution

Blockmec - a protocol and a framework for building and connection Ethereum-compatible blockchain networks

- Growing set of modules for developing custom networks
- Modular and optional Verification as a Service
- Interopability protocol for exchanging arbitrary messages with Ethereum and other Blockchain networks
- Adapter modules for existing blockchain networks



Features

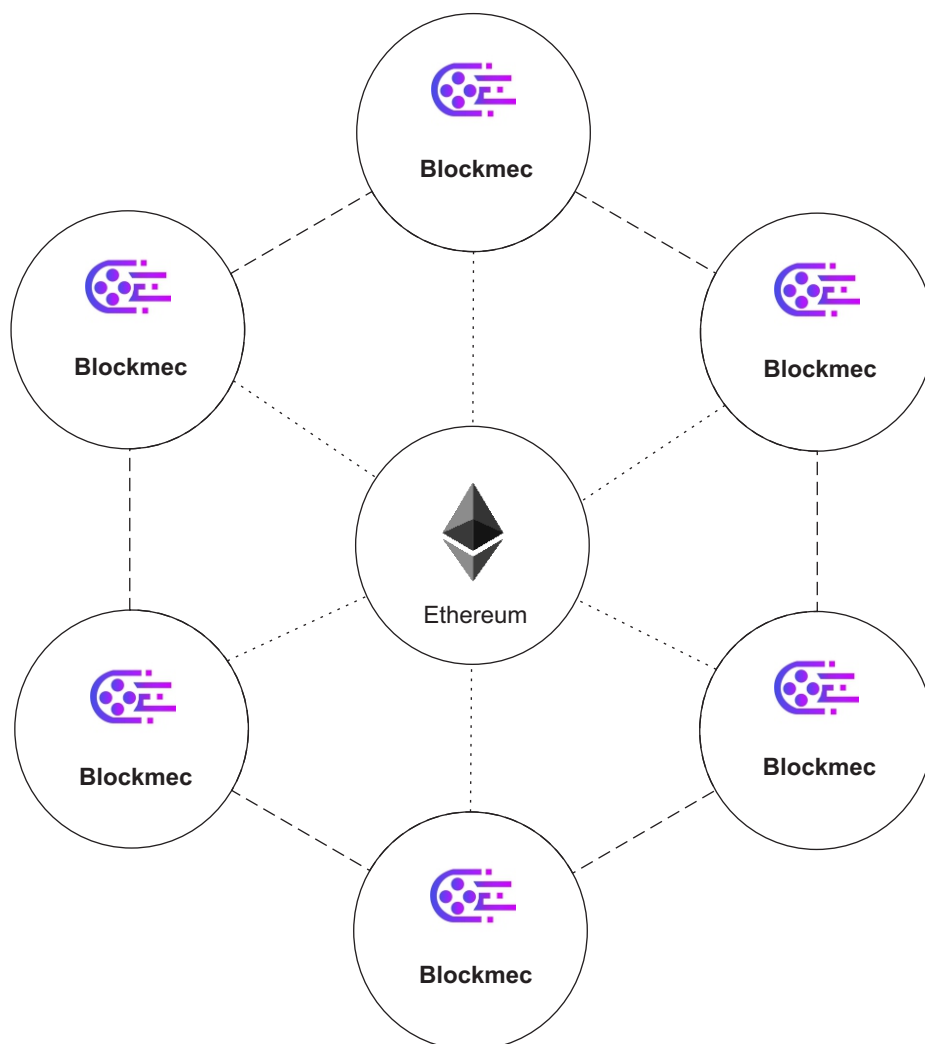
Blockmec combines the best of Ethereum and other blockchains into an attractive feature set
Built by developers, for developers.

- Industry dominance, established tech stack, tools, languages, standards and enterprise adoption
- Dedicated blockchains and scalable consensus algorithm
- Verification as a Service: Seamless data verification (non-mandatory, modular verification services, provided either by Ethereum directly or by a dedicated set of validators)
- Native support for arbitrary message passing (tokens, contract calls etc) to external systems
- Comparable to Web2, “zero-gas” transactions, instant deterministic transaction finality
- High customizability, extensibility and upgradeability, short time-to-market, community collaboration
- Equivalent to Ethereum, no protocol level knowledge required

Technology

Blockmec provides the core components and tools to join the new, borderless economy and society.

With Blockmec, any project can have it's dedicated, optimized instance of Ethereum which combines the best features of stand-alone blockchains (sovereignty, scalability, and flexibility) and Ethereum (security, interoperability and developer experience). Additionally, these blockchains are compatible with all the existing Ethereum tools (Metamask, MyCrypto, Remix etc) and can exchange message among themselves and with Ethereum



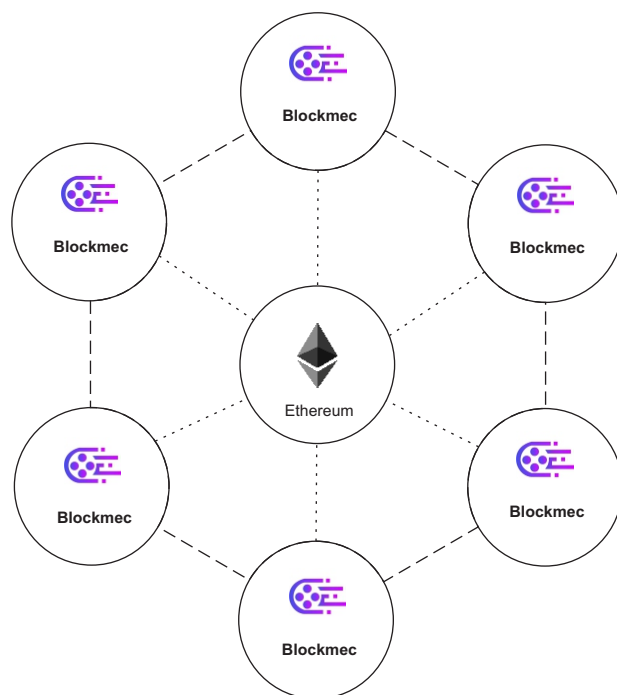
Blockmec Chains

Blockmec supports two major types of Ethereum-compatible blockchain networks: stand-alone networks and networks that leverage "verification as a service"

Stand-alone chains

Fully sovereign Ethereum-compatible blockchain networks. These networks are fully in charge of their own security, i.e. have their own pool of validators. Stand-alone chains offer the highest level of independence and flexibility, with the tradeoff of sometimes challenging validator pool establishing

- Enterprise networks

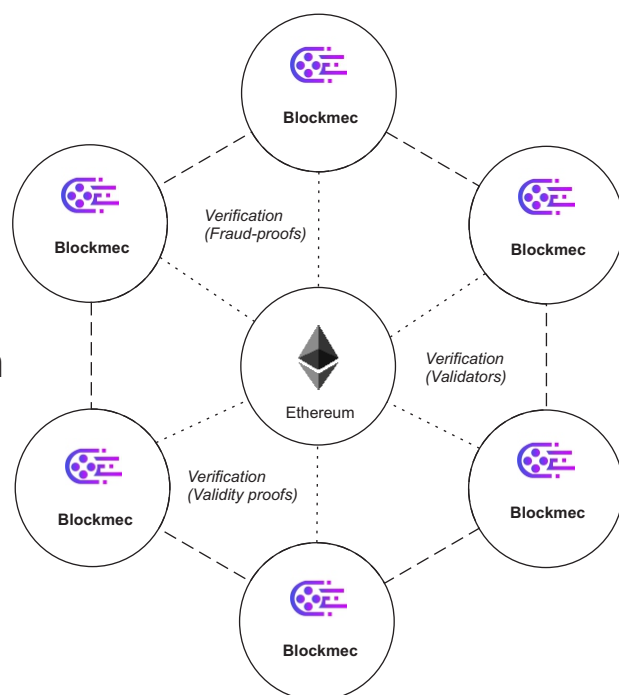


Stand-alone chains

Blockchain networks that use "verification as a service" instead of establishing their own validator pool. The service can be provided either by Ethereum directly (via fraud proofs or validity proofs) or by a pool of professional validators. This offers a high level of security with the tradeoff of sacrificing a portion of independence and flexibility.

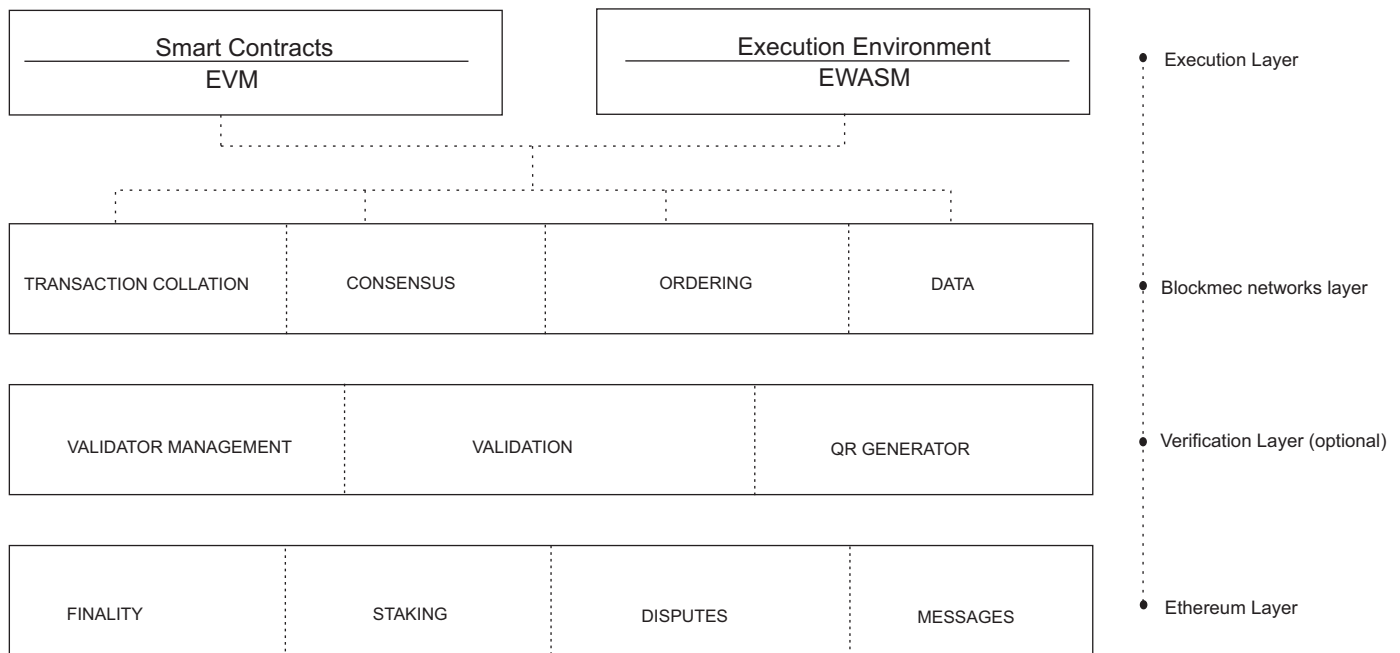
- Startups

- User data-driven projects



Architecture

| Blockmec consists of four abstract, composable layer:



Ethereum Layer

Blockmec Chains can use Ethereum, the most secure programmable blockchain in the world, to host and execute any mission-critical component of their logic. This layer is implemented as a set of Ethereum smart contracts, in charge of functions like:

- *Finality/checkpointing*
- *Staking*
- *Dispute Resolving*
- *Messaging between ETH and Blockmec chains*

Verification Layer

A socialized, non-mandatory layer providing "validators as a service" - a set of validators that can periodically check validity of any Blockmec chain. This layer is normally implemented as a meta blockchain that runs in parallel to Ethereum, in charge of functions like:

- *Validator Management*
- *Blockmec Chain Validation*

Verification is fully abstract and can have multiple instances, implemented by different entities and with different characteristics. It can also be implemented directly on Ethereum, in which case the Ethereum miners perform the validation

Architecture

Blockmec Networks Layer

A constellation of sovereign blockchain networks. Each of the networks serves its respective community, maintaining functions like:

- *Transaction Collation*
- *Local Consensus*
- *Block Production*

Execution Layer

This layer interprets and executes transaction that are agreed upon and included in Blockmec networks' blockchains. It consists of two sublayers:

- *Execution environment*
- *Execution logic*

Roadmap

| So far, thus far

December 2019- Origin ■

■ **March 2020- start campaign (BlockEdu)**

■ **September 2020- first website launch.**

December 2021- First partnership ■

■ **January 2022 -Integration of Blockchain services. BAS**

■ **June 2022- Launch of chain.**

■ **July 2022- QR code generator**

■ **August 2022 - Blockmec token launch (\$BLC)**

■ **August 2022 - Initial Coin Offering**

■ **September 2022 - API generation**

■ **October 2022 - Exchange Listing**

■ **January 2023 - Data Analytics Tool**

■ **August 2023 - Blockmec wallet launch**

■ **December 2023 - Logistics Supply Chain Management**

Tokenomics

I The economics of Blockmec coin

There is a total supply of 172,000,000 coins. At first glance this may seem like a lot however the size of the document industry needs to be taken into consideration. If a nation decides to utilize the Blockmec protocol for every passport and driver's licence in the country, this could tie up a substantial amount of \$BLC tokens while they work through the document creation process. As such, it is important that there are enough \$BLC coins in circulation to allow the user to Blockmec system to perform as required and remain useable by everyone.



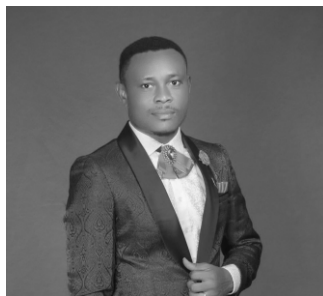
Team

Blockmec is an open-source project built by decentralized team of contributors all over the world.

Team



Akachukwu Nwabueze
C.E.O and Co-Founder



Nwabueze Stephen
Product Manager & Co-Founder



Nwaeze King
Board Member



Bushrar Balogun
C.O.O



Abdulfathi Ibrahim Saleh
Chief of Diversity and Strategy



Aghaonu Johnbosco
Public Relations Manager



Nsima George
Developer



Tim Azubike
Developer

Conclusion

I To wrap it all up...

“SEC in all part of the world has consistently shown that it has a clear understanding of her role in creating a conducive environment for the growth and development of Virtual Financial Assets, and Cryptocurrencies in general. This recent publication will act as a catalyst for mass adoption. It will also create the much-needed institutional investor confidence for the Nigeria Capital Market.”

Who will be regulated?

Any person (individual or corporate), whose activities involve any aspect of Blockchain-related and virtual digital asset services, must be registered by the Commission and will be subject to the regulatory guidelines. Such services include, but not limited to reception, transmission, and execution of orders on behalf of other persons, dealers on own account, portfolio management, investment advice, custodian, or nominee services.

Issuers or sponsors (start-ups or existing corporations) of virtual digital assets shall be guided by the Commission's regulation. The Commission may require Foreign or non-residential issuers or sponsors, to establish a branch office within Nigeria. However, foreign issuers or sponsors will be recognized by the Commission, where a reciprocal agreement exists between Nigeria and the country of the foreign issuer or sponsor.

A recognition status will also be accorded, where the country of the foreign issuer or sponsor is a member of the International Organization of Securities Commissions (IOSCO).

For these reasons, the Commission has adopted the following with respect to virtual Crypto Assets
Crypto Asset means a digital representation of value that can be digitally traded and functions as a medium of exchange, unit of account, and/or a store of value, but does not have legal tender status in any jurisdiction.

Crypto Asset is neither issued nor guaranteed by any jurisdiction, and fulfills the above functions only by agreement within the community of users of the Crypto Asset, and distinguished from Fiat Currency and E-money.

Abstract

While decentralized finance has generated significant excitement about the potential of composable, open-source instruments, we believe that its widespread adoption can only happen through blockchain service (Blockmec chain) that combine the possibilities offered by DeFi with the safety, convenience and comfort of mainstream FinTech services. Verified users should be able to deposit fiat or crypto currencies, clearly define their risk tolerance, and earn returns on their investments with the touch of a button.

Blockmec Is the blockchain support enterprise that empowers individuals, companies and developers to be able to innovate their business with Blockmec protocol on any blockchain.

Blockmec enterprise furnishes businesses with a complete perspective of blockchain topography and its potential significances. We support you at every step of blockchain adoption, from design thinking-driven evaluation to assessing blockchain solution from various proportion, creating proof-of-concepts and pilot development to complete implementation of solution. Our expertise, technology-agnostic approach, purpose-built architectures and end-to-end delivery accelerate your enterprise blockchain deployments. Blockmec technology is empowering enterprises and businesses with accountability, immutability, scalability, security, ease of use, and control, radically transforming the course of their business.

Find out more

Official Website

blockmec.org

Twitter

[@blockmec_page](https://twitter.com/blockmec_page)

Github

github.com/blockmec-team
