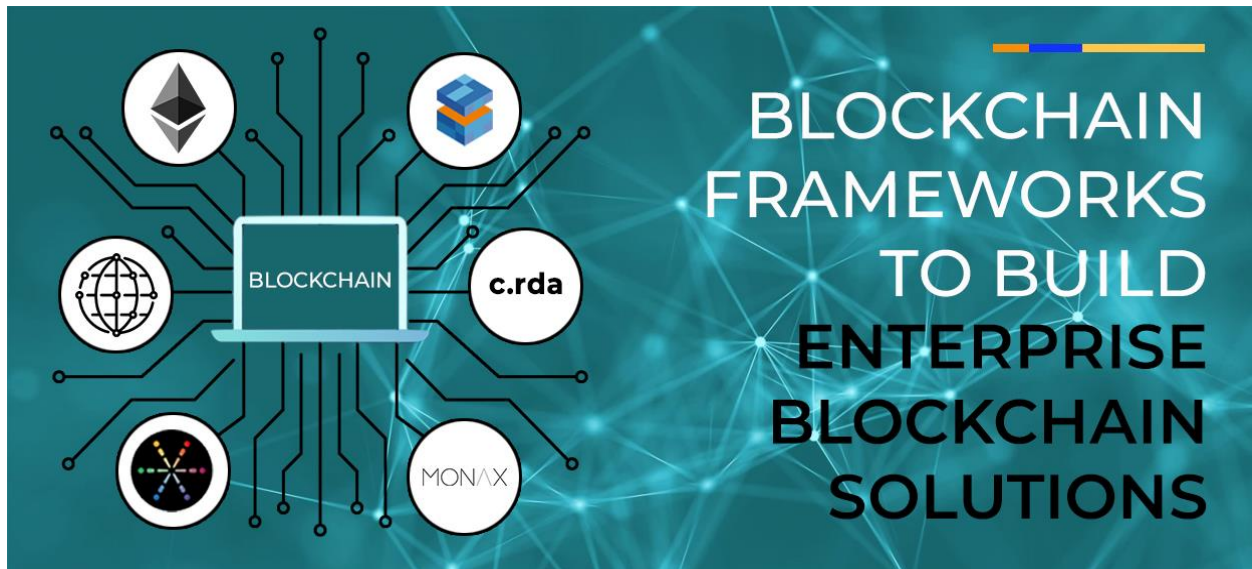## TOP BLOCKCHAIN FRAMEWORKS TO BUILD YOU OWN BLOCKCHAIN

This blog post aims to provide value to developers/businesses by discussing certain frameworks based on the concept of Blockchain. And if you are someone who wants to pursue the implementation of a blockchain-based system that is of enterprise scale, we'd suggest you go ahead and read this blog post till the end. The primary purpose of blockchain was to have a secure peer-to-peer payment mechanism that a user with a valid ID could use to send and receive cryptocurrency, but we can assure you that the applications of blockchain extends much beyond the cryptocurrency applications.

As of today, we've had the pleasure of implementing and employing private blockchain-based systems for companies worldwide that are in compliance with the industry standards. And every time we started out with the requirement gathering and analysis phase, we'd have trouble choosing an enterprise-grade framework that'd align with the business priorities of the company we teamed up with.

Bet you've been wondering what we've worked on? Here's a list of blockchain & cryptocurrency-based projects that we have implemented over the recent years.

o [Cryptocurrency Trading/exchange Platform](#)
o [Cryptocurrency- Betting Platform](#)
o [Blockchain-enabled Health Record Management System](#)
o [Verifiable Nursing Credentials on Blockchain Platform](#)

TOP BLOCKCHAIN FRAMEWORKS TO BUILD YOU OWN BLOCKCHAIN

And so here we are with an aim to help you make a better decision on deciding upon the framework of choice.

BLOCKCHAIN IMPLEMENTATION DECISIONS FOR ENTERPRISES

Blockchain—is like a new candy in town who everyone wants to get their hands on, but don't know how much it costs or even where they to go look for it. The frameworks and the communities built around/for Blockchain solutions are new and have the potential to enter a variety of business model to reduce costs and prevent fraudulent activities. Blockchain is an extremely secure and transparent mechanism for tracking ownership of digital assets and thus enterprises are increasingly investing in blockchain technology for numerous other opportunities. And the most crucial decisions that enterprises need to consider before adopting blockchain technology into their business can/should be—

o   whether to incorporate a private/consortium or public blockchain networks?
o   The degree of speed, scalability, security, and privacy required.
o   Whether the framework is completely free to use? or does it include payments in the long run.
o   Developability of a framework into a high-level business logic.
o   Does the framework have a community large enough to support it with constant updates?
o   Is the framework backed by a large corporation to support its longevity?
o   Ease of use of the new technology that you'll be adopting.
o   And of course, choosing the right framework.

ENTERPRISE BLOCKCHAIN FRAMEWORKS

There are several blockchain development frameworks and development platforms that you can benefit from, in terms of scalability of solution or the learning curve. Below is a list of the top dogs of the blockchain industry —

1. Hyperledger

Hyperledger is a generalized framework to create cross-industry blockchain applications. And this opensource framework is maintained by Linux foundation and IBM. Hyperledger has been backed by major players in the industry like Cisco, Intel & VMware. Hyperledger can help the user to build their own custom private and defined blockchain network. One can also write smart contracts with custom logic dedicated to their business applications.

2. R3 Corda

Corda is a private enterprise blockchain development framework that is global distributed ledger aiming to support the various blockchain use-cases. It's supported by over 200 of the world's largest technology and industry like Amazon web services, intel, Microsoft and some of the

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world's largest banks. Corda is an opensource, open design & open development framework that can be implemented to just about every business out there.

3. Ethereum

Ethereum is a public blockchain network and a decentralized platform that enables business logic to be implemented on the blockchain with an aim to build smart contracts. These smart contracts can be executed on a decentralized private network. With it's simple and generalized protocol and easy-to-use scripting language, users can empower Ethereum for building decentralized applications of various use cases.

4. MultiChain

MultiChain is an open source blockchain platform that allows enterprises to build deploy blockchain applications quickly. MultiChain supports multi-signatures, external private keys, cold nodes and consensus that allows developers to develop enterprise-scale blockchain solutions with minimal hassle.

5. Open Chain

Open chain is an open source distributed ledger technology. It is suited for enterprises wiling to issue and manage digital assets in a robust, secure and scalable way. Open Chain claims to be more efficient than blockchain systems that use Proof-of-work concept, it uses a client-server architecture which is more efficient and reliable than a peer-to-peer architecture.

6. Monax

Monax is an open-source blockchain platform for smart contract technology. This blockchain development platform can be used to develop decentralized business applications. It comprises of a modular framework and set of development tools to build and test blockchain based applications. The blockchain community uses Monax to improve the quality and reliability of the smart-contracts for their choice of business model.

WHAT YOU NEED TO DO NOW?

We strongly recommend that you learn as much as you can about the above stated frameworks and try them out for your individual use-case. And if you are need an expert's opinion about which framework to opt for or how to get started, then contact us. Yes, it's that simple.
Pro tip: Don't stop until you get a reply.

Simply mail us—mailto:info@suretekinfosoft.com with your query (no matter how minimal), and we will get back to you with a plan of action to produce results on time and within budget.