Build the Future With Blockchain

SIMBA BLOCKS

A proven blockchain platform built for speed, security, and scalability.

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Building With Blockchain

Despite increased interest in Web3 technologies like blockchain, many companies are unsure where to start. From protocol selection to smart contract creation and deployment, companies face several hurdles on the path to production. These technical and administrative challenges often distract teams from project requirements, making it difficult to deliver practical business solutions.

We Make Blockchain Accessible

At SIMBA, we understand the challenges of building with blockchain—that's why we built SIMBA Blocks. With Blocks, enterprises can build scalable, secure solutions that integrate with existing data systems (without an internal team of blockchain experts). Simply put, instead of starting from scratch, our powerful SIMBA Blocks infrastructure does the heavy lifting.

That means you can create application demos in hours or days, not weeks or months, kickstarting your Web3 journey. This unique functionality streamlines the development cycle, eliminates barriers to entry, and lowers costs, moving you from proof of concept to production faster than ever.
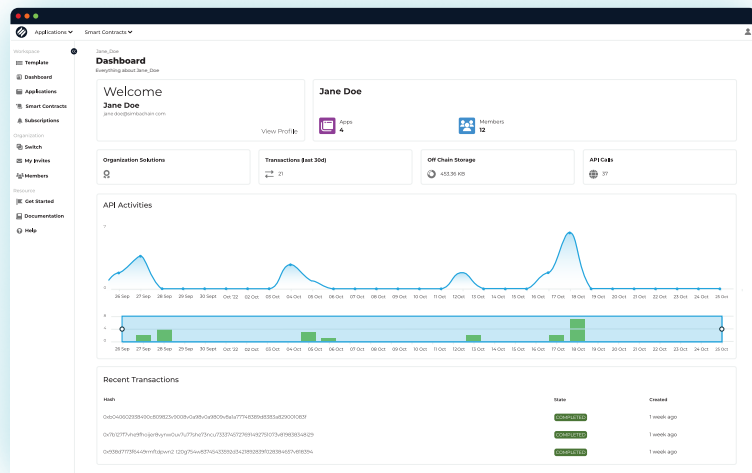
SIMBA Blocks Benefits

Dynamic APIs
SIMBA Blocks leverages Swagger UI to auto-generate virtual REST APIs that connect to smart contracts on multiple protocols. That means developers don't need to compile implementation logic like API calls, error codes, expected responses, or intended payloads. Instead, Blocks fills out this information automatically, enabling cut-and-paste functionality that simplifies application integrations and reduces deployment times by weeks or months.

High Availability
SIMBA Blocks delivers high availability by auto-scaling in response to your software throughput requirements. This resilient infrastructure rebalances the system to prevent network failure, ensuring the success and speed of each transaction.

Full Chain Freedom and Interoperability
SIMBA Blocks allows you to choose one or more supported blockchain protocols. In addition to delivering full chain freedom, Blocks will be entirely interoperable later this year. That means developers can soon migrate code between traditionally incompatible protocols like Ethereum and Hyperledger Fabric. Beyond future-proofing your investment, this functionality will allow you to build and deploy interoperable public, private, or hybrid solutions.

Developer-Focused Tooling
SIMBA Blocks supports multiple tooling solutions that optimize the developer experience. For less experienced developers or those new to Web3, the Blocks UI makes it easy to start, while more traditional developers can utilize SIMBA SDKs and Dynamic APIs. Finally, Web3-native developers can work with well-known tools like Truffle and Hardhat. No matter the method, the Blocks platform streamlines the path to production, bolsters scalability, and makes blockchain more accessible.

Structured Data
SIMBA Blocks utilizes structured data to annotate smart contracts at design, meaning you can use GraphQL to query unique identifiers after deployment. As an extension of this functionality, asset graphs seamlessly query smart contracts across multiple chains. From supply chain management to manufacturing, structured data and subsequent GraphQL querying generate powerful business intelligence insights.

Enterprise Ready
SIMBA Blocks is an enterprise-proven platform delivering speed, flexibility, scalability, and cost-effectiveness. In addition to offering enterprise blockchain protocols, Blocks allows you to integrate your preferred compliance-ready tools like wallet, storage, and identity management solutions.

About SIMBA
Incubated at the University of Notre Dame in 2017, SIMBA Chain (short for Simple Blockchain Applications) provides a scalable enterprise platform that simplifies blockchain development. With fewer barriers to entry, companies can build secure, scalable, enterprise-grade solutions that integrate seamlessly with existing data systems. SIMBA implementations generate value for major government organizations, enterprises, and blockchain companies as a production-grade platform that enables public, private, or hybrid deployments.