

Cloud + Infrastructure, Application
Modernization

EMPOWERING BLOCKCHAIN & WEB3

BACKGROUND

A renowned Web3-development company that specializes in creating open-source protocols for blockchain infrastructure creates their own manifest files that contain metadata for the recently developed Manifest network. This network enables a wide variety of developers to easily integrate plug-and-play Web 2.0 and Web3 modules into custom web solutions. In addition to software products, the company also sells hardware keys for blockchain applications.



THE CHALLENGE

This company needed help creating small components and models for the centralized blockchain application for Web3. The components could then be used in services for companies that need infrastructure in the Web3 space.

SOLUTION

To support these software initiatives, the company approached Aditi to provide a comprehensive solution for the development of front-end and back-end applications critical to the blockchain foundation. Aditi software developers also worked on a library to connect applications to the new blockchain network.

THE RESULT

The Aditi team performed a wide variety of software development tasks for the company over the course of this project, including:

- Building various components for the decentralized blockchain system using the Rust programming language.
- Designing and implementing the Talib block explorer from scratch. This application enables transparency for transactions in blockchain clusters supporting the Many protocol. The client was developed with React at the back end with Node.js using the Nest JS framework.
- Providing significant support for the implementation of the Many JavaScript protocol. Many-JS is a relatively new JavaScript library that JavaScript applications can use to connect to networks that support the Many protocol. Many-JS provides a performant, scalable solution for modern web application development by integrating some of the best practices and features found in other popular frameworks.
- Implementing various improvements in Many-JS and the Gwen dashboard. Gwen is a CPanel-like dashboard built in React that manages clusters supporting the Many protocol.

Aditi partners with world-class companies across the globe to build and deploy comprehensive solutions for Blockchain and Web3 domain. From creating a comprehensive technology plan, to supporting the development of new frameworks and programming languages, our tailored technology solutions can elevate your Web3 initiatives. Contact us today to learn more.

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Aditi is a leading digital engineering services company. We partner with established and emerging enterprises by leveraging borderless talent across three continents to achieve transformative outcomes that will reshape their trajectory. We lead and support our clients' efforts to design, build, and operate the products, systems, and processes required to deliver impact by leveraging deep insights, practical knowledge, and human spirit.

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