R3, Case Study

by Web3 Labs

R3 Seeks Out Web3 Labs to Help Remove Entry Barriers to Corda

After developing its DLT platform Corda, R3 faced a problem: clients coming from Web3 development on platforms like Ethereum wanted a more streamlined approach to building and testing new decentralized applications on it. After deploying our new version of Web3j, the company managed to reduce the barriers to entry for working with Corda and provide developers with a new testing infrastructure, making their jobs a whole lot easier and more efficient.

R3 is a software company tasked with creating solutions that meet the requirements for establishing direct digital collaboration in enterprise environments where trust is crucial. These requirements include trust technology for multi-party applications, regulated markets expertise, as well as connected networks and ecosystems.

It is best known for having developed Corda - a permissioned distributed ledger technology (DLT) platform for enterprises, allowing them to transact directly with each other in strict privacy.

Customer Challenges

One area that users of R3's Corda struggled with was the lack of ease with which new decentralized applications were built and tested on the platform. This obstructed the adoption of the technology on a wider scale.
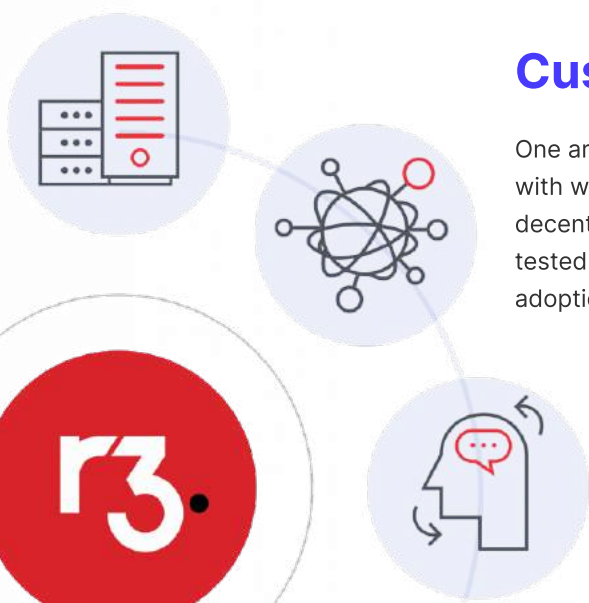
At a glance

Website
www.r3.com

Size
201-500 employees

Country
UK

Industry
Enterprise Technology

Products and Services
Delivery Services, Web3j

The Solution

Aware of the many individuals working with our widely used open-source library to integrate with Ethereum, R3 became interested in finding a mechanism that would allow Web3j to work with Corda. To this end, they partnered with Web3 Labs and ended up with a version of the Web3j library that could easily integrate with Corda.

Customer Benefits

The engineers in Web3 Labs delivered a new version of the Web3j library that not only reduced the entry barriers to working with Corda but also provided new, previously unavailable end-to-end testing facilities for developers. This allowed them to easily simulate deployments that mirrored their live environments locally.

For R3, this was a win-win situation. Not only did it provide the company with the infrastructure to support its platform, broadening the reach of its platform ecosystem, but it also allowed its engineering teams to remain focused on its core product development and expertise, strengthening the Corda offer.

How Web3 Labs can help you

Web3 Labs works with organizations to deliver applications that improve the trust and authenticity of data and assets. Its clients include Microsoft, J.P. Morgan, and Vodafone.

We also work with leading blockchain companies and protocols to develop their ecosystems and platforms. Clients include ConsenSys, R3, the Open Application Network, the Ethereum Foundation, and ICON.

Web3 Labs is also the creator of the blockchain analytics platform Epirus Blockchain Explorer and the widely used blockchain developer library Web3j, which provides the tools for business applications and Android phones that allow them to work with the Ethereum blockchain. The library is over five years old and has been downloaded over 1 million times, thanks to usage by companies like J.P Morgan, Opera, and Samsung.

We believe in creating business value and greater efficiency through decentralization.

Questions?

Sign up for a discovery session with one of our team to discuss Web3 opportunities for your business.