Xoriant
Success Story

Unraveling the Potential of CBDCs in the Financial Ecosystem

Using blockchain technology to redefine the transaction process with CBDC-powered digital wallets

Our client is a renowned player in the payments sector on a global scale and a part of the multinational financial services corporation.

Challenges

The client wanted to harness the transformative power of digital currency to revolutionize the way transactions are conducted.

Fostering an all-encompassing digital economy	Tackling legal, technical, and operational issues involved in exploring CBDC potential	Exploring the possibility of developing a secure, simple and intelligent platform available to all

Delivered

As a dedicated technology integration partner, Xoriant undertook designing, development and testing of a groundbreaking Central Banking Digital Currency (CBDC) transaction platform and explore its feasibility.

Secured
A mechanism for issuing CBDCs to the central bank

Enhanced
Confidentiality, resilience, flexibility, and scalability of the platform with blockchain technology

Ensured
Adherence to multiple business cases through the platform

Reduced
The complexities in transactions with the help of CBDCs

Implemented
Functional testing, automation testing for its API and UI, and performance testing to ensure stability

Business Value

Created
A foundation for actual deployment & implementation in the financial ecosystem

Optimized
The transaction processes with the help of blockchain technology

Incorporated
Digital wallets for commercial bank customers to easily use CBDCs

Technology Stack

Hyperledger Besu | Cryptography | Kafka | ZK-Rollups | Java | Spring Boot | Hibernate | Docker | Kubernetes | Azure | Rest-Assured | Serenity | Selenium | Cucumber | Postman | IntelliJ IDEA | Gatling | Jenkins | Postgres | Bitbucket

Xoriant is a Silicon Valley-headquartered digital product engineering, software development, and technology services firm with offices in the USA, Europe, and Asia. From startups to the Fortune 100, we deliver innovative solutions, accelerating time to market and ensuring our clients' competitiveness in industries like BFSI, High Tech, Healthcare, Manufacturing and Retail. Across all our technology focus areas-digital product engineering, DevOps, cloud, infrastructure, and security, big data and analytics, data engineering, management and governance -every solution we develop benefits from our product engineering pedigree. It also includes successful methodologies, framework components, and accelerators for rapidly solving important client challenges. For 30 years and counting, we have taken great pride in our long-lasting, deep relationships with our clients.