



# Lexim Gold – Tokenizing Gold Through Blockchain

## About the Client

Lexim Gold is a UAE-based financial technology company pioneering the use of blockchain to transform the traditional gold market. The platform enables the creation, issuance, & trading of gold-backed digital tokens, providing users with a secure, divisible, & transferable representation of physical gold.

Leveraging tokenization, Lexim combines the stability of gold with the efficiency & transparency of decentralized technologies, making gold investment modern, liquid, and globally accessible.

## Challenges

As a pioneer in gold tokenization, Lexim Gold set out to build a secure, blockchain-powered platform to make gold more accessible, transparent, & tradeable in digital form. But turning this vision into reality brought several complex challenges:

### 1. Regulatory & Data Privacy Compliance

Handling sensitive financial data in a decentralized ecosystem required an architecture that ensured blockchain transparency, strong encryption, secure off-chain storage, & strict compliance with global regulations.

### 2. Aggressive Timelines

Facing a tight go-to-market deadline, Lexim needed a stable, scalable MVP with core features like token issuance, trading, & secure wallet integration, delivered without compromising quality.

### 3. Complex Blockchain Architecture

Building a platform that would support cross-chain interoperability demanded deep blockchain expertise. The project also required the development of robust smart contracts to automate token logic, secure transactions, & manage settlement flows across multiple chains.

To realize this vision, Lexim Gold engaged Team Codora, a partner with the Web3 expertise & speed needed to deliver a secure, scalable platform.

## Solution

Codora quickly assembled a dedicated team aligned with Lexim Gold's technical & delivery needs, enabling fast ramp-up and deep collaboration. Leveraging its blockchain expertise & Agile approach, Codora delivered tailored solutions within a tight timeline, integrating seamlessly with Lexim's internal team. To build a robust, decentralized infrastructure, Codora's blockchain architects designed a system leveraging Ethereum, Solana, & TRON, ensuring interoperability & broad reach. Smart contracts were developed to automate key functions such as token issuance, transfers, and settlements, ensuring trust & transparency in every transaction.

While blockchain inherently offers transparency, Codora implemented robust encryption & secure off-chain storage to safeguard sensitive data & meet compliance requirements, addressing privacy concerns without compromising decentralization principles. Collaboration between both teams enabled rapid feature development, performance optimization, & iterative improvements to the platform's user experience & cross-chain capabilities.

## Technologies & Integrations

- **Blockchain & Smart Contracts:** Solidity (Ethereum), Rust (Solana), TRON
- **Frontend & Backend:** React Native (iOS & Android), Node.js
- **Integrations & Tools:** Helius, QuickNode, Firebase, Algolia, OneSignal, CoinStats, CoinGecko
- **Infrastructure & Storage:** AWS, PostgreSQL, DynamoDB
- **Project Management:** Jira, Confluence

## Results

- Launched Lexim's tokenization platform within an accelerated timeline
- Enabled cross-chain transfers (Ethereum, Solana, TRON)
- Built & audited smart contracts
- Deployed hybrid storage for compliance
- Established scalable foundation for growth

## About Codora

Codora is a full-stack technology consulting and business process outsourcing company based in Copenhagen, Denmark. We provide an extensive range of cutting-edge technologies and customized services to aid our clients in optimizing their business operations, controlling costs, and increasing the efficiency of their processes.

Our clients come from diverse industries, including finance, healthcare, education, supply chain, technology, and retail. We have a deep understanding of both web2.0 and web3.0 technologies and how they can be leveraged to drive businesses forward. As a result, we are able to tailor our services to meet the specific needs of each client. We have regional offices in the UK, Canada and Pakistan, which enables us to support our global clientele effectively.