

Case Study: How Spout Kept Their Launch on Track With Blocksense

Spout is an emerging DeFi project focused on real-world assets (RWA) and institutional trading, exclusively onboarding KYC-compliant users. Their MVP was originally built using Chainlink Functions during a hackathon. However, when preparing to launch on Pharos, they encountered a roadblock: **Chainlink is not available on the Pharos network.**

For a team onboarding institutions and bridging institutional-grade assets with DeFi composability, a missed launch wasn't an option. Instead of slowing down their roadmap, Spout partnered with Blocksense, a blockchain infrastructure company specializing in decentralized oracles and custom data feeds. Blocksense provides a flexible oracle platform that supports both ready-to-use price feeds and custom integrations. This collaboration allowed Spout to continue building confidently on Pharos and demonstrated Blocksense's ability to meet customers where they are, delivering fast, reliable, and tailored oracle solutions.



What is Chainlink Functions?

Chainlink Functions is a serverless developer platform that allows smart contracts to connect with the outside world. Developers can use it to fetch data from any web API, run custom off-chain computations (typically in JavaScript), and then bring the results back onchain via Chainlink's decentralized oracle network (DON).

In practice, it works a lot like a decentralized version of AWS Lambda: developers write small pieces of logic that are executed off-chain, and the verified results are relayed to smart contracts. While powerful and flexible, Chainlink Functions depends on Chainlink's infrastructure being available on the chain where a project wants to deploy.



The Challenge

Spout's contracts weren't just inspired by Chainlink—they were tightly coupled to its **request–response model**. Without Chainlink's infrastructure, their system couldn't even run.

Spout needed a way forward. Fast!

- Maintain their ability to receive accurate financial and backend data.
- Replace Chainlink Functions with a push-model oracle.
- Simplify their contracts while still providing accurate financial market data and integrating their backend API.

The Blocksense Solution

Blocksense transitioned Spout to a **push-model oracle**, shifting complexity away from smart contracts and into the oracle infrastructure. This reduced onchain code while improving maintainability and performance.

Oracle Overhaul

Blocksense provided:

- A generic HTTP-fetch oracle script configurable with URLs, payloads, and parameters.
- A stock price feed for **LQD**, pulled from Alpaca Markets.
- A custom backend reserve feed wired directly into Spout's internal systems.

Developer Workflow

To make the transition seamless, Blocksense:

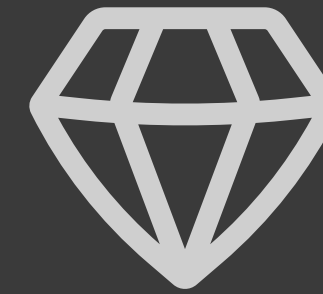
- Delivered integration snippets replacing Chainlink calls with Blocksense feed calls.
- Guaranteed frequent feed updates for reliability.
- Introduced a streamlined workflow to allow backend changes without explorer visibility.



Two Weeks Later

From first conversation on July 3 to technical completion on July 17 (just two weeks!) Spout had what they needed.

- **70% less contract complexity** after removing Chainlink-related code.
- Only **4 engineering days** were required to migrate.
- **Custom feeds delivered in under 48 hours.**
- And most importantly, their launch timeline stayed firmly on track.



Why It Matters

This wasn't just a technical pivot. It was proof that Spout could ship in the face of roadblocks. And proof that Blocksense could step in where Chainlink couldn't.

By moving to Blocksense:

- Spout kept their launch on schedule.
- Their contracts became lighter, faster, and easier to maintain.
- They gained custom feeds tailored to their exact needs.

The Bigger Picture

Spout's story shows what happens when innovation meets the right infrastructure. With Spout focused on bringing institutional assets like corporate bond ETFs into DeFi, and Blocksense providing the verifiable data backbone, both teams walked away stronger.

When the tools you rely on aren't there, the right partner makes all the difference.

Key Results at a Glance

48 hrs

Custom feeds delivered

4 days

Total engineering time

2 weeks

Full integration timeline

70%

Less contract complexity

Thank you.