

# CASE STUDY // THE VAULT

**PROJECT CODE:** ALPHA-LEND-2023

**ENGAGEMENT:** Pre-Acquisition AI Hardening & Risk Governance

**OFFICER:** Premji Boominathan, CAIRO

## The Situation

I was engaged as the Chief AI Risk Officer (CAIRO) to lead the Forensic Architecture phase. The objective was to move the system from "Probabilistic" (Guesswork) to "Deterministic" (Certainty).

I implemented a three-tier Hardening Protocol:

1. Forensic Mapping: Decoupling the AI decision-logic to create a human-readable, math-validated ledger.
2. Integrity Governance: Installing an architectural "Interceptor" to prevent model drift in real-time.
3. The Evidence Locker: Compiling a cryptographically sealed package of JSON artifacts that proved 100% compliance with NIST 2026/27 standards.

## The Impact

- Audit Resolution: The buyer's technical auditors accepted the forensic artifacts as definitive proof of control.
- Valuation Recovery: The 40% risk discount was fully retracted.
- Successful Exit: The acquisition closed at an 11.5x multiple, setting a new benchmark for the sector.

*"In the high-stakes environment of a global exit, Premji's CAIRO protocol was the difference between a stalled deal and a record-breaking multiple. He provided the architectural certainty that the market demanded." – EVP of Strategy, FinTech Global* (Confidentiality maintained under NDA)

