Architecture Technique (Graph-Based AML System)

inference_engine.py

- Pattern Matching (Cypher)
- Risk Scoring Algo
- Graph Algorithms

generator.py

Lib: Faker / Pandas

1. Injection (ETL)

2. Bolt (7687)
Read/Write

Docker Container

Neo4j Graph DB (v5.15)

3. Fetch Data

app.py

Web Browser
(Dashboard)

Analyste