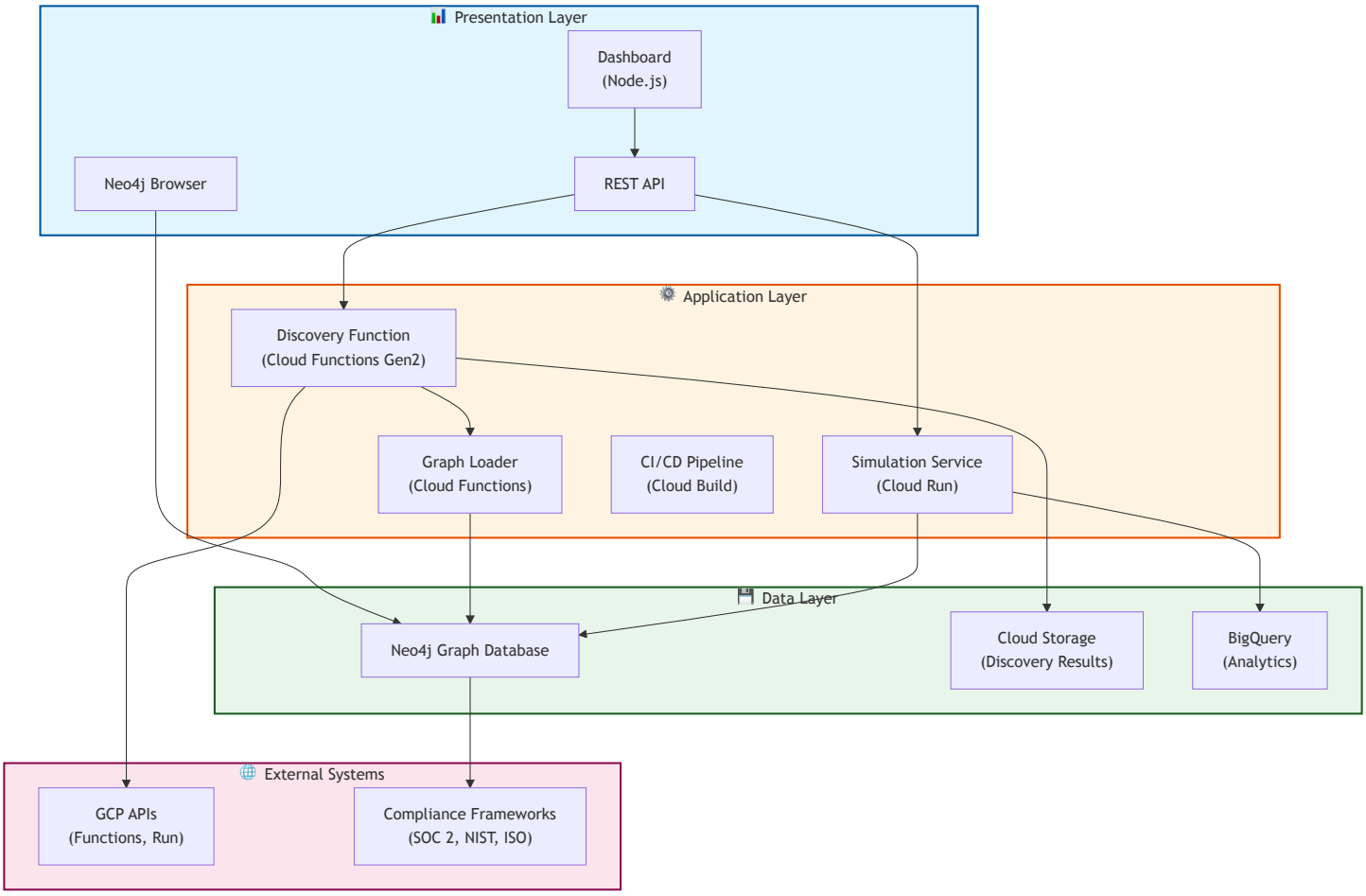
Mermaid Diagrams for Presentation

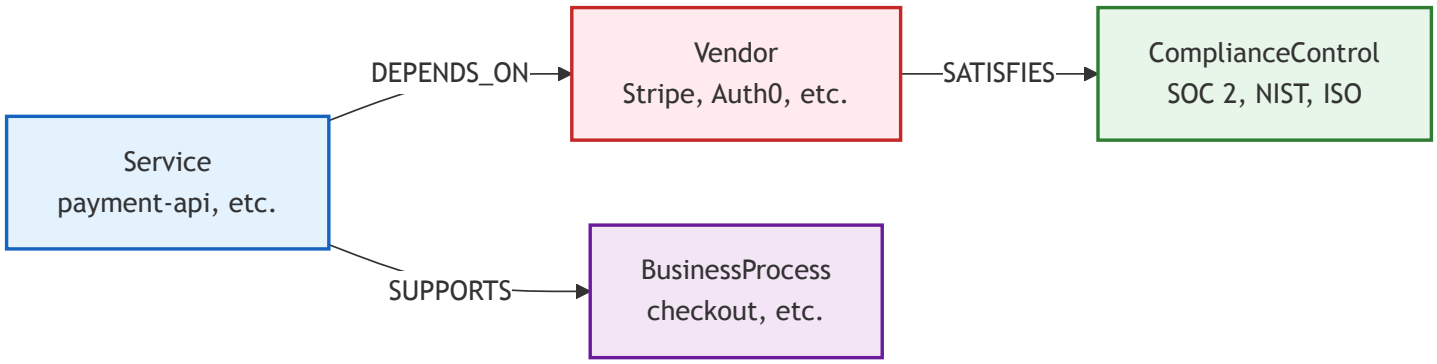
For: Vendor Risk Digital Twin - Cloud Computing Presentation

This file contains Mermaid diagram code that can be used in presentations, documentation, or converted to images.

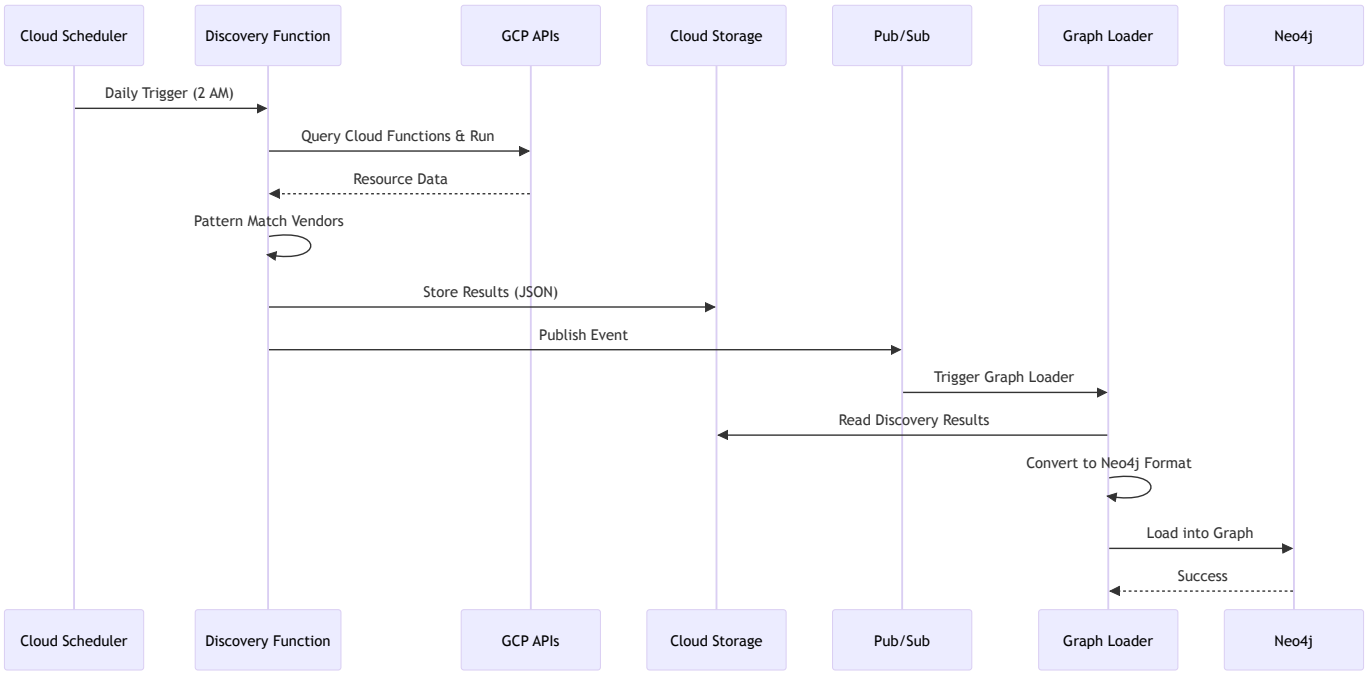
1. 4-Layer Architecture Diagram



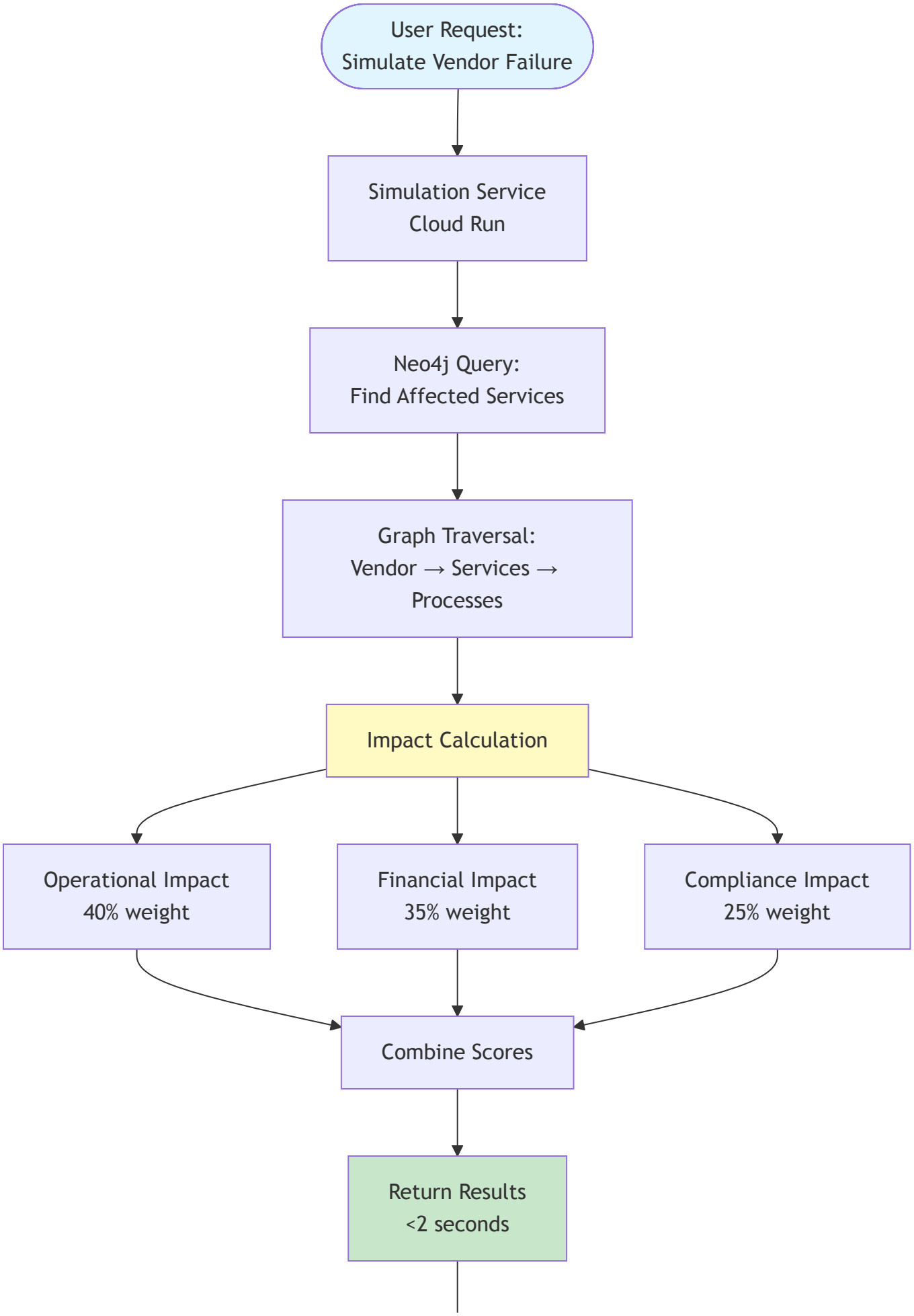
2. Graph Data Model

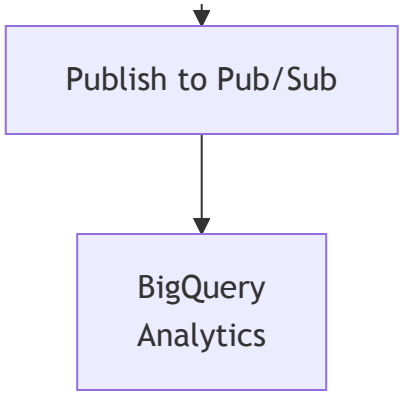


3. Event-Driven Discovery Flow

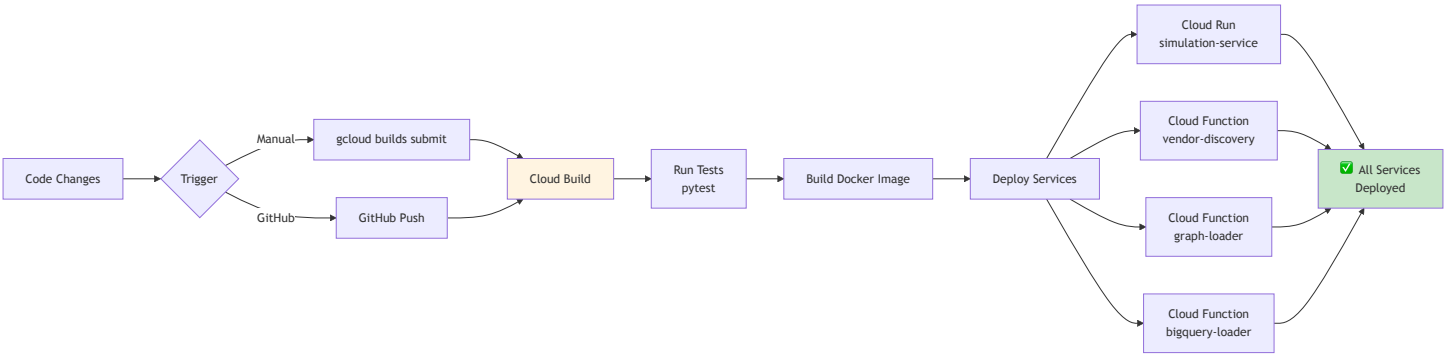


4. Simulation Flow

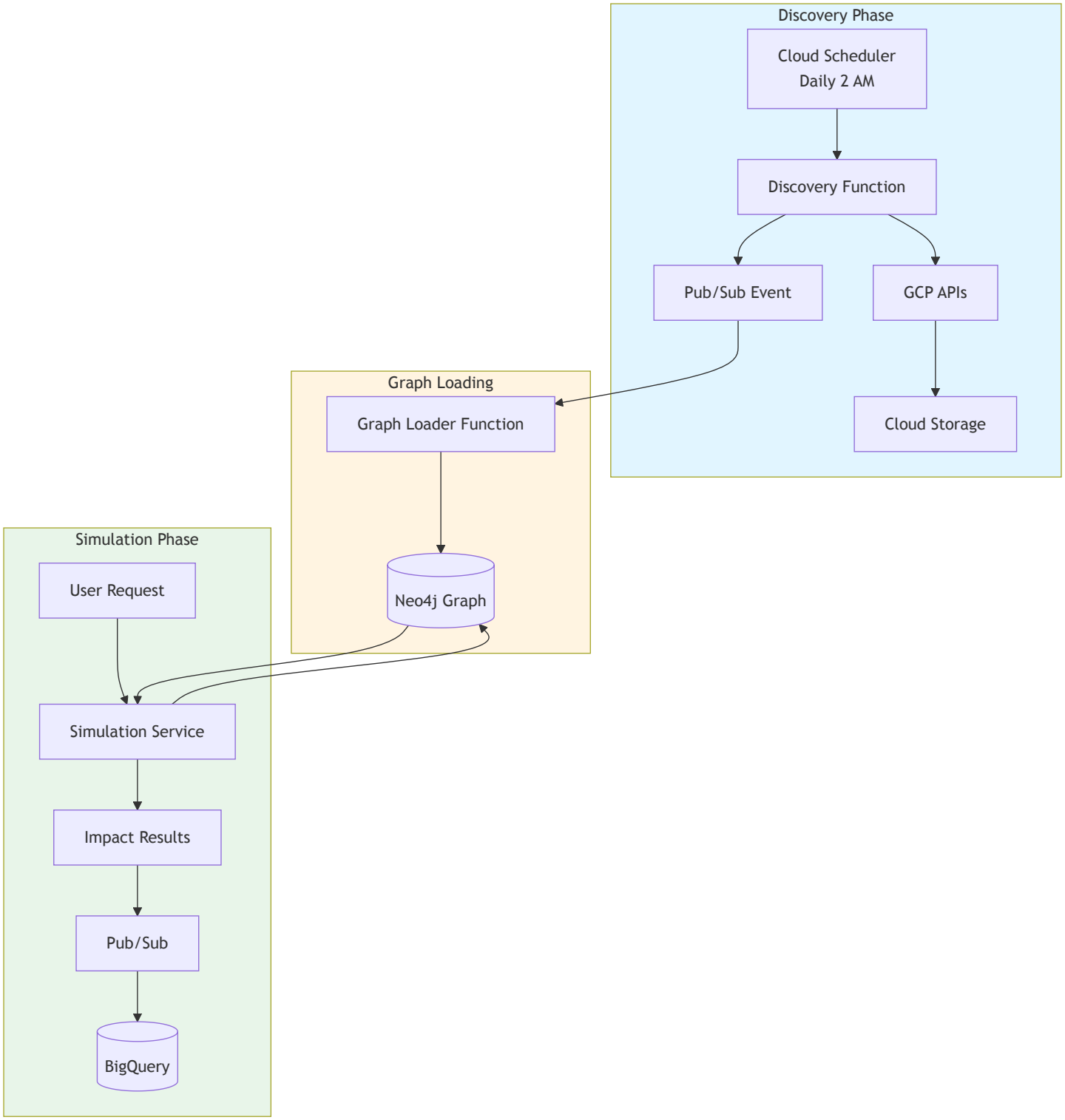

User Request:
Simulate Vendor Failure
Simulation Service
Cloud Run
Neo4j Query:
Find Affected Services
Graph Traversal:
Vendor → Services →
Processes
Impact Calculation
Operational Impact
40% weight
Financial Impact
35% weight
Compliance Impact
25% weight
Combine Scores
Return Results
<2 seconds



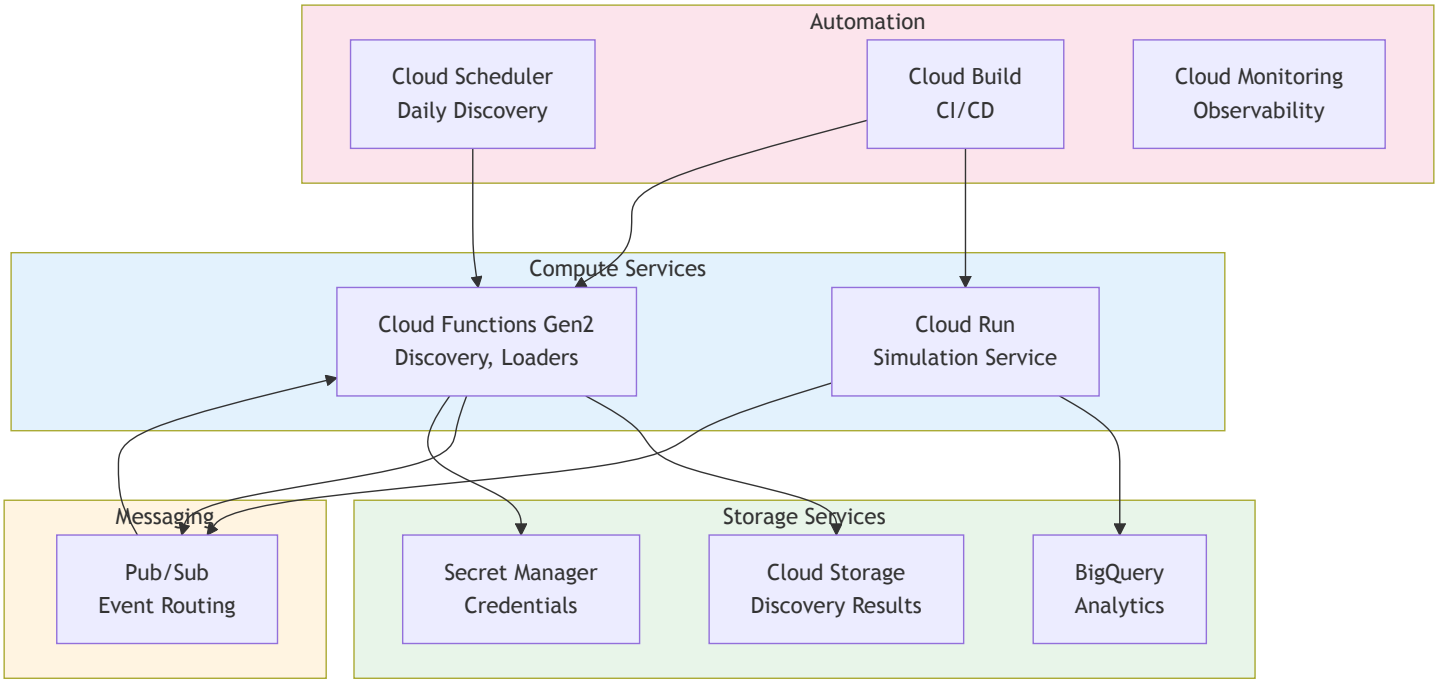
5. CI/CD Pipeline Flow



6. Complete System Flow (End-to-End)



7. GCP Services Integration



Usage Instructions

For Presentations:

1. Copy the Mermaid code
2. Use in tools that support Mermaid:
   - **Markdown viewers** (GitHub, GitLab, etc.)
   - **Mermaid Live Editor**: https://mermaid.live
   - **Presentation tools** (some support Mermaid)
   - **Documentation tools** (Confluence, Notion, etc.)

To Convert to Images:

1. Go to https://mermaid.live
2. Paste the Mermaid code
3. Export as PNG/SVG
4. Use in PowerPoint, Google Slides, etc.

For Documentation:

- These diagrams can be embedded directly in Markdown files
- GitHub/GitLab will render them automatically

Last Updated: 2025-12-01

Purpose: Mermaid diagram code for Cloud Computing presentation