

FinServ and FinTech

Security, stability meet innovation and now AI. In financial services the domain model is not a design preference. It is what powers every customer experience, and now what the agents read too. These four teams built one, then had to answer the harder question of how an agent uses it without getting free rein.



Design, Govern, Automate: PayPal's Playbook for Apps and Agents

Mike Hamrah & Sarath Siva

CHALLENGE

PayPal's first attempt at GraphQL didn't go the way they hoped. Every team in isolation, orchestration buried in per-screen BFFs, the same data modeled five ways.

TAKEAWAY

A single entity per financial instrument, pulled from its source of record with business-unit context added by type extension, and a graph that held while 60 teams edited it.



Two Audiences, One Context Graph: How Block Serves Humans and Agents

Jonathan Wondrusch

CHALLENGE

Every company already has a graph. It hides in Confluence pages, tribal knowledge and a hundred half-documented REST endpoints, where nothing can reason over it.

TAKEAWAY

One schema doing two jobs, shipping product to customers and grounding the agents, and a company that can finally see its own capabilities once the graph stops being plumbing.



Intuit's Persisted Queries: A Safety Layer Ready for Agents

Alan Cai

CHALLENGE

An operation that works and an operation that is safe to hand an agent are different things, and MCP tools get exposed before anyone checks which one they have.

TAKEAWAY

An operation registry that is the agent safety boundary rather than a bandwidth trick, built from normalization, request limits, sensitive-literal scans and security review.



The Self-Pruning Graph: Federation Hygiene with AI Agents at Brex

Clarice Abreu

CHALLENGE

Apollo GraphOS showed 35% of the federated graph was completely unused. Clearing it by hand across 60 plus subgraphs meant months, and the fields were the easy part.

TAKEAWAY

A weekly cleanup that runs itself. The agent deletes resolvers, loaders and tests, validates with rover subgraph check, then opens the PR. Over 100,000 lines gone, no customer impact.

HANDS-ON WORKSHOPS

Evolving Your Graph Without Breaking It (2 hrs)

Practice the change you are afraid to ship. Composition failures, schema checks, a new subgraph, and the metrics that tell you whether it actually worked, in Apollo GraphOS.

Giving Agents Access Without Giving Up Control (90 min)

Two agents on one graph should not see the same data. Scope permissions per agent, hide sensitive fields, approve what each can reach, and decide what happens when one asks for more.