

# Use Cases for Agentic AI

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Tyler Jewell, CEO



# Bumpy path from PoC to prod

60%

**“Sixty percent of  
AI projects fail to  
make it from PoC  
to production.”**

Gartner, Case Study: Effective Strategies for Generative  
AI Innovation (American Express Global Business Travel)  
19 May 2025

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# Agentic AI



| Get the **engineering** right, and the AI will work

| Design for **trust** from day one

| **Evolve**, don't break, your architecture

| Create **layers of certainty** to enable determinism



# Get the **engineering** right and the AI will work

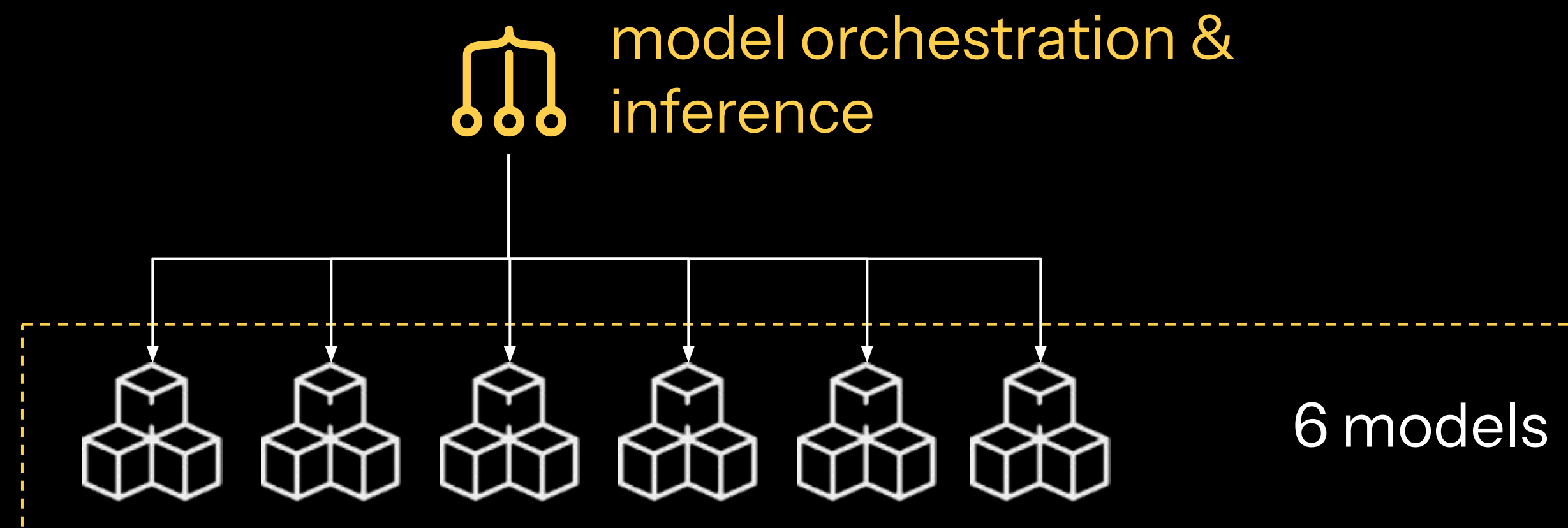
AKKA

**Demand-driven  
elasticity**

Swiggy executes API-driven supply chain predictions with multi-model fan-out and ultra-low latency for every user request.

**Actor runtime  
and  
event-driven**

Running agents in a cluster of actor runtimes enables recovery from failures, nearly infinite concurrency, and non-blocking communications.



**4M models  
hits / sec**

**72ms p(99)  
latency**

**10K cores**

# Global Top 3 Retailer

## Design for **trust** from day one

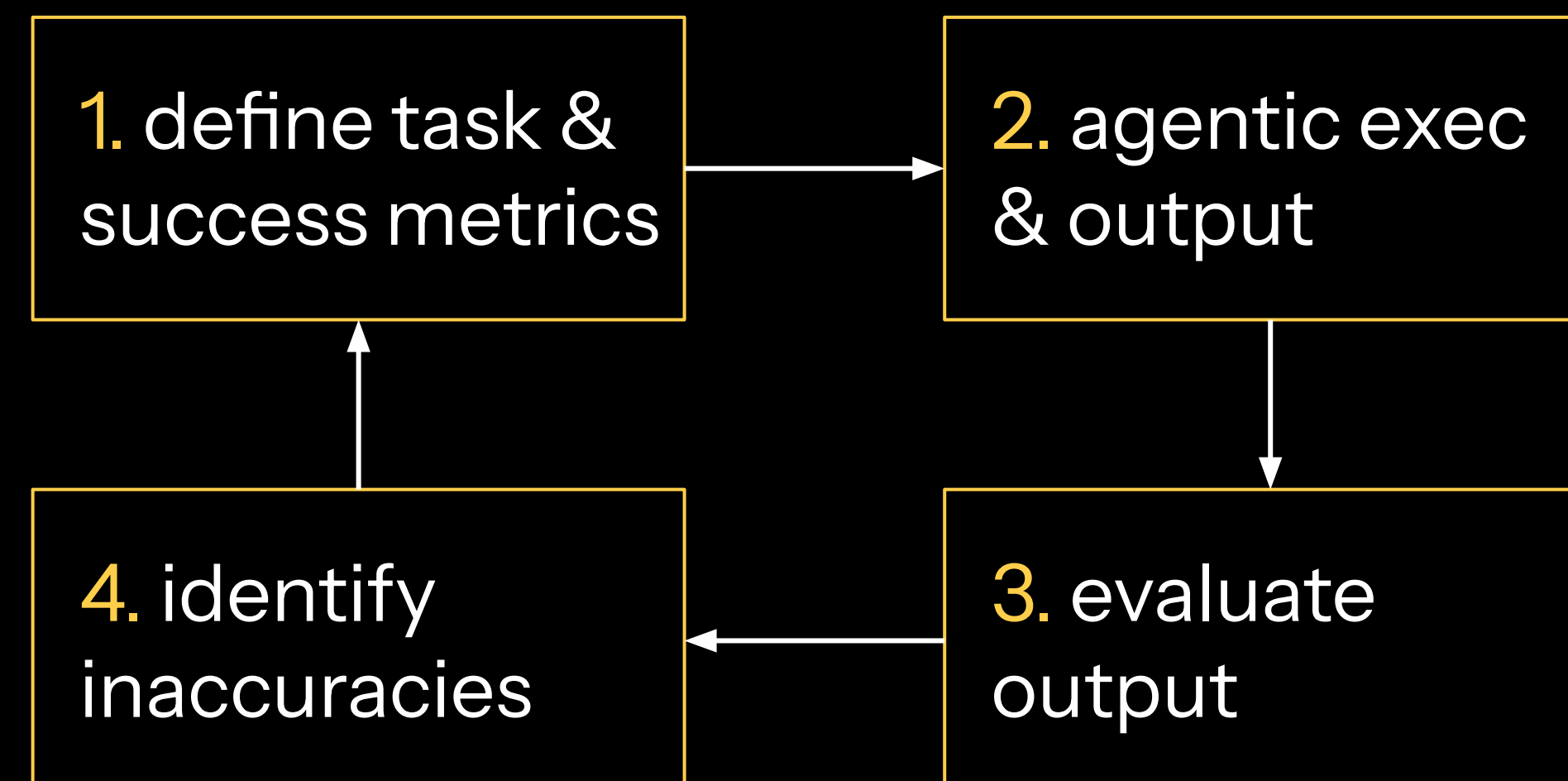
AKKA

**Solve problems  
faster**

Introduced agents into a non-critical system to create 'how-to-fix' suggestions on integration errors later reviewed by IT staff.

**Eval-driven  
development**

Agents rely upon humans, other models, and self-evaluation to measure and improve AI accuracy, performance and safety.



**5 billion  
msgs / yr**

**500  
errors / yr**

**72% faster  
time to fix**

**10 → 6  
fix it HC**



# Evolve, don't break, your architecture

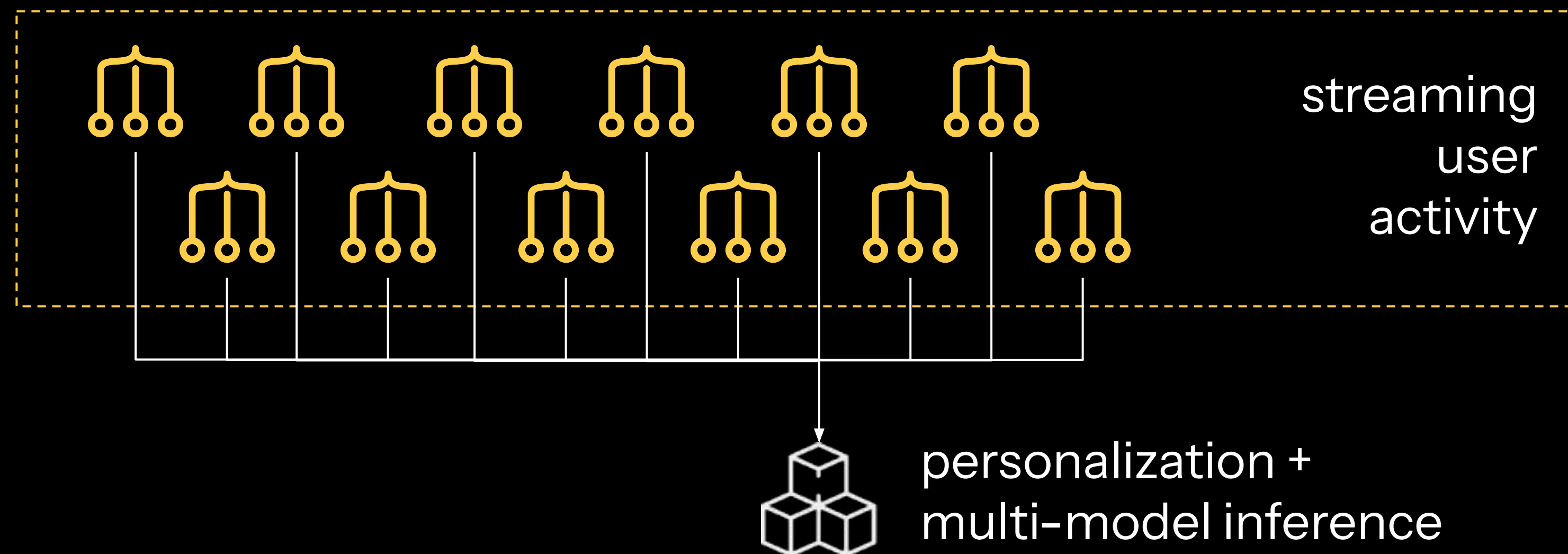
AKKA

**Continuous data without overload**

Provide users real-time content influenced by multiple sources of continuously updated user activity (e.g. browsing history, watch time...)

**Ingest real-time event streams**

Apply real-time streams of data (as events) to ML models with in-memory, durable journals tracking history.



**2 months delivery**

**9+ years in production**

**75M MAUs**

**12+ streams**



LLAAMA

# Create **layers of certainty** to enable determinism

AKKA

**Faster than Python**

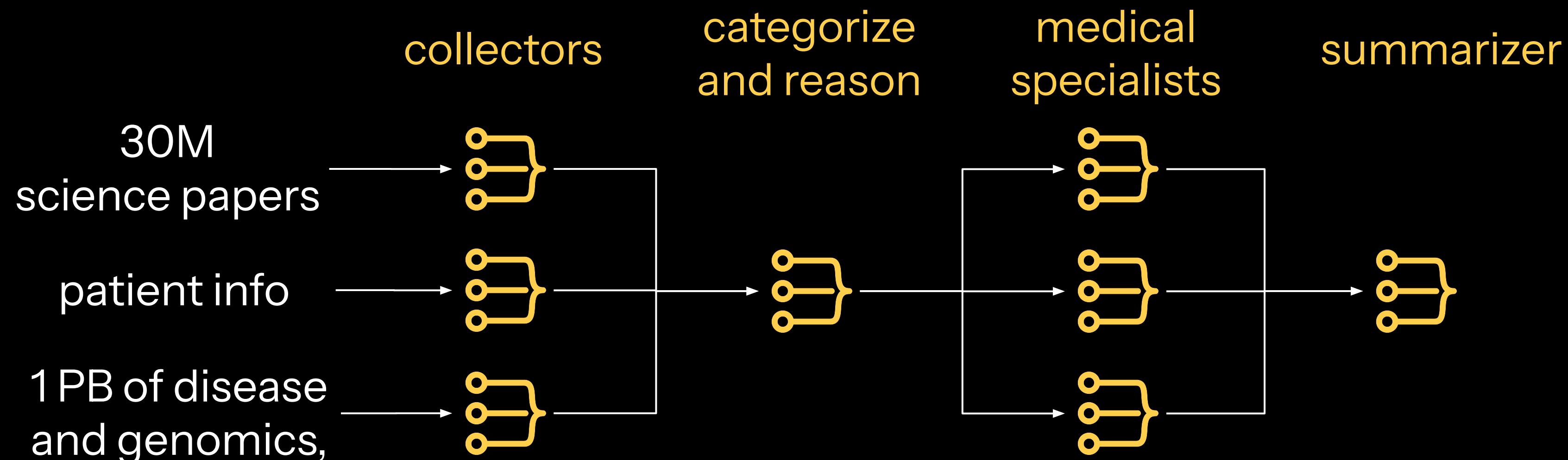
Orchestration coordinates the execution of 1000s of concurrent Akka actors into a high performance multi-agent system.

**High velocity dev and delivery**

LLaama deciphers TBs of medical research with concurrent sourcing, deciphering, analysis and reasoning agents.

**2 engineers  
2 months**

**16 agents  
orchestrated**



**2 hours vs  
months with  
Python agents**



# Enterprise Agentic AI

AI systems integrated into IT that also meet the **reality of operations**

IT  
Systems

AI  
Systems

+

Operational Realities

Resilience | Elasticity | Security

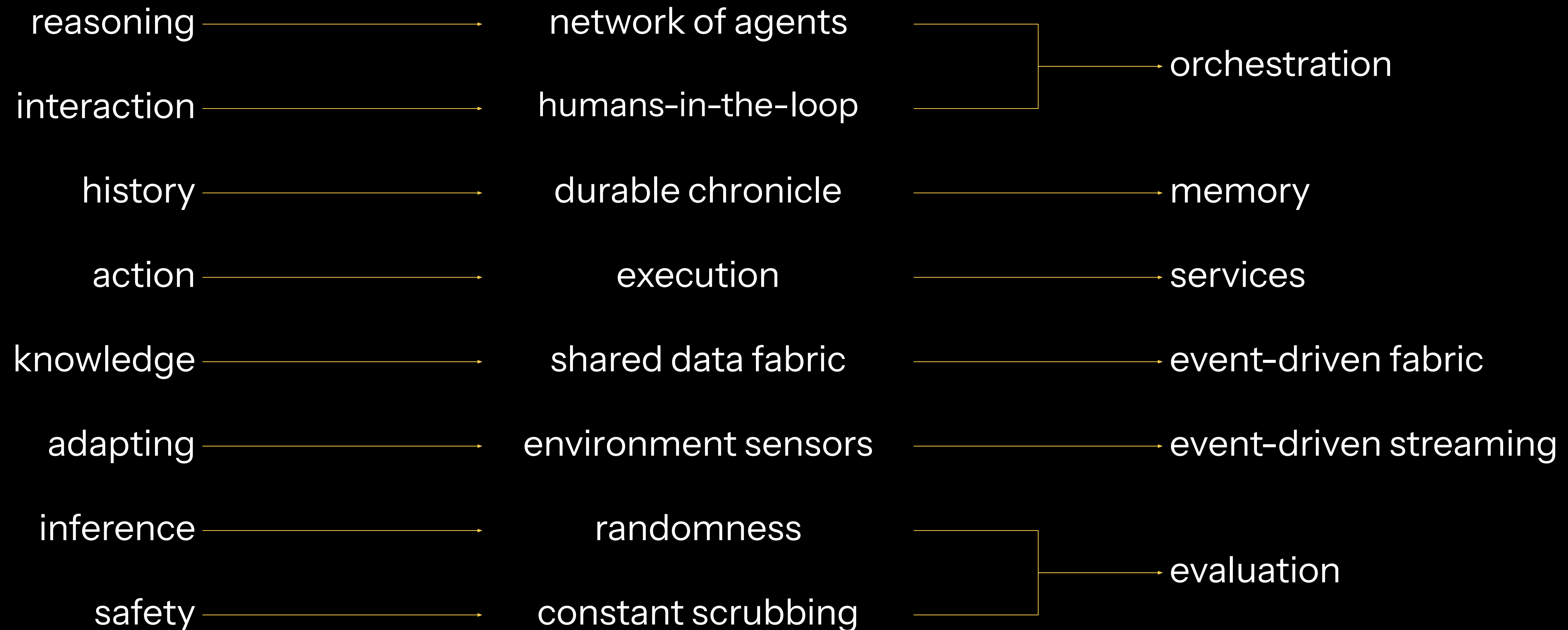
# Emerging **agentic AI stack** for IT

orchestration + memory + event-driven + streaming + evaluation

## Behavior

## Requires

## Agentic AI Stack

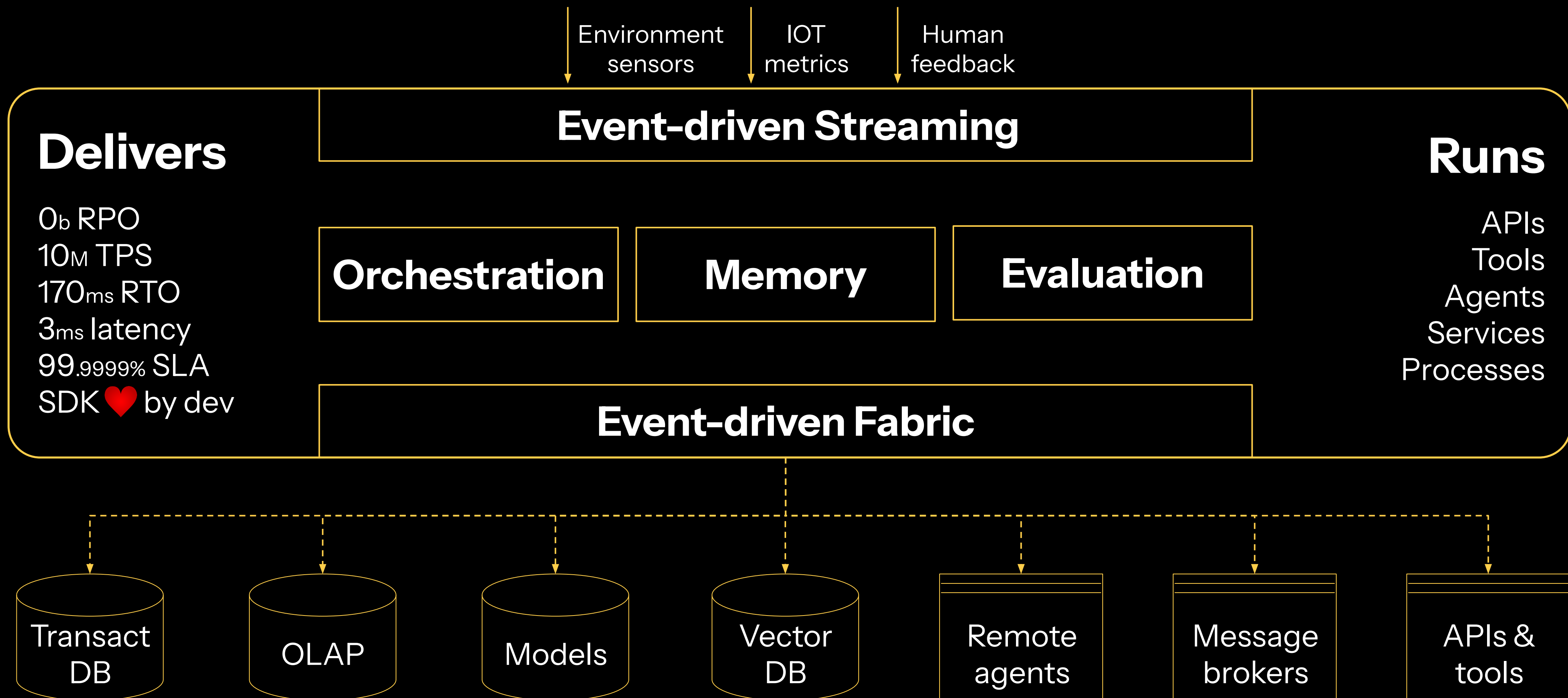


# AKKA

# Agentic AI Platform for the Enterprise

AKKA

resilience  
elasticity  
security





# Agentic is **real**...

## Let's make it **real** for you!

### Booth 111

Akka.io	<a href="#">What is agentic AI?</a>
Case Studies	<a href="#">Agentic AI customer stories</a>
Videos	<a href="#">A blueprint for agentic AI services</a>
Samples	<a href="#">Production-ready agents</a>
Blogs	<a href="#">Agentic AI blogs</a>
Get Started	<a href="#">Develop your own agentic app</a>

### Have a project?



concept



**proof**



**48 hours**

