The Layered Leap: Why Kiro + Bedrock AgentCore

Traditional agent development is fragmented—prompt spaghetti, untracked toolchains, and no clear deployment path. **Kiro + MCP + Strands + Bedrock AgentCore** **changes everything,** transforming how we build AI agents from chat-based confusion to production-ready clarity.

Natural Interface

Talk to your IDE like a co-developer with intuitive conversation flows

Layered Architecture

Stack specs, tools, and frameworks seamlessly with MCP integration
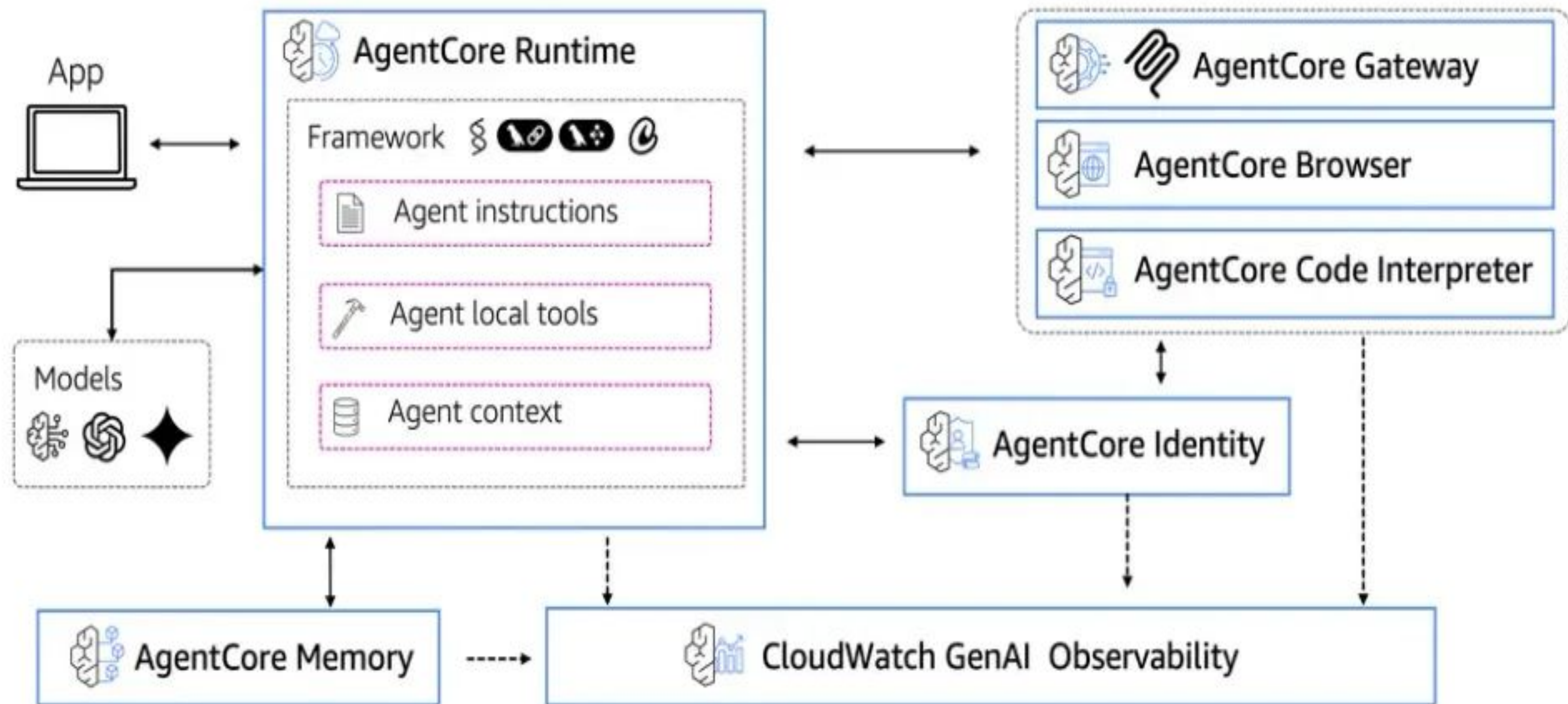
AgentCore Ready

Deploy in minutes, not weeks, with automated production pipelines

With just one specification and one command, we leap from prototype to production to full observability—no more development fragmentation.
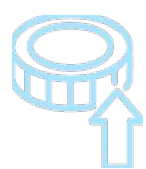
Amazon Bedrock AgentCore

Live Demo: Financial Advisor Agent Architecture

Market Intelligence

Real-time market data analysis with 7-day lookback windows

Strategy Architect

Risk-adjusted strategy development for multiple time horizons

Execution Planner

Detailed implementation roadmaps with actionable steps

Risk Assessor

Comprehensive alignment checks and mitigation guidance across all strategy layers
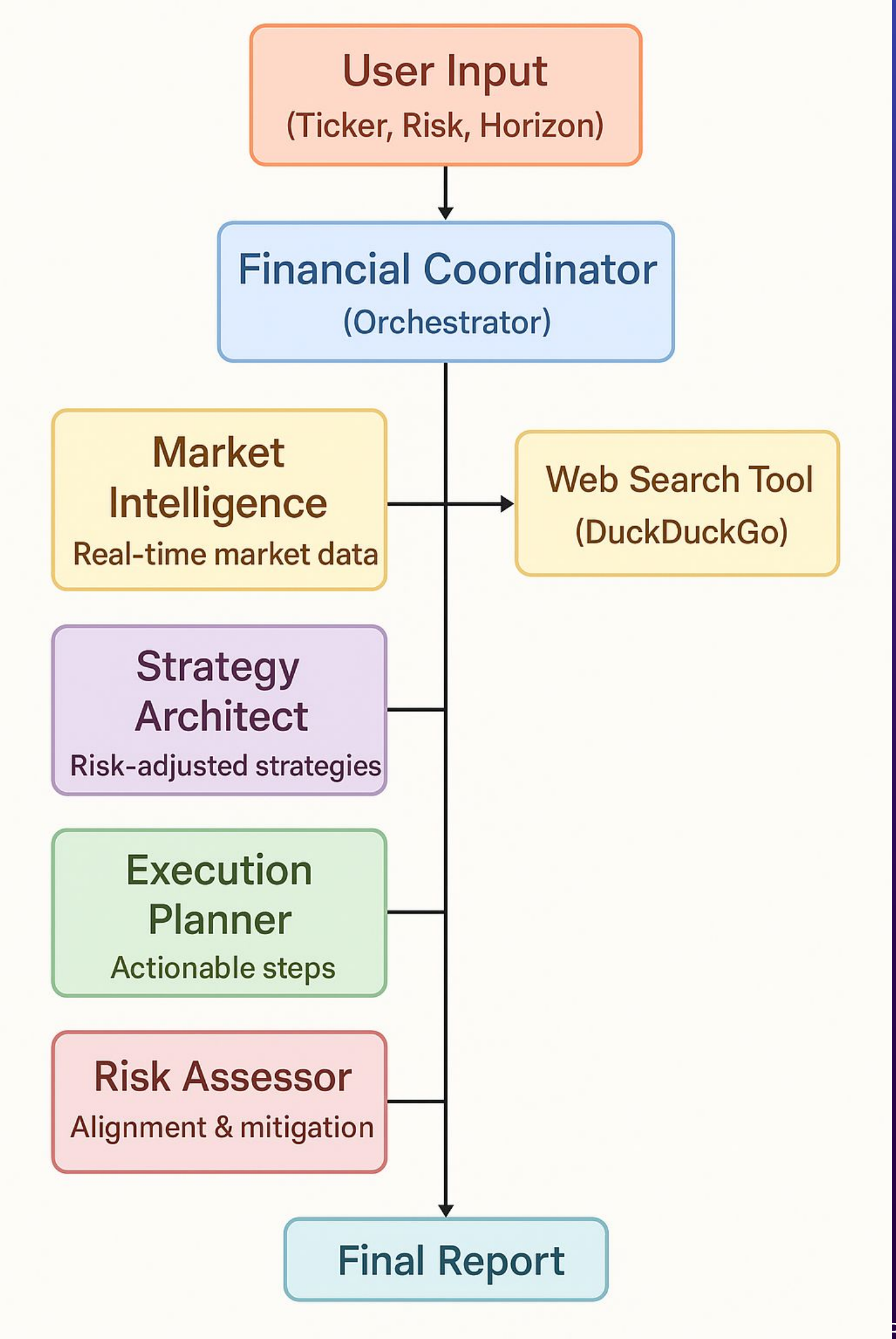
Web Search Tool

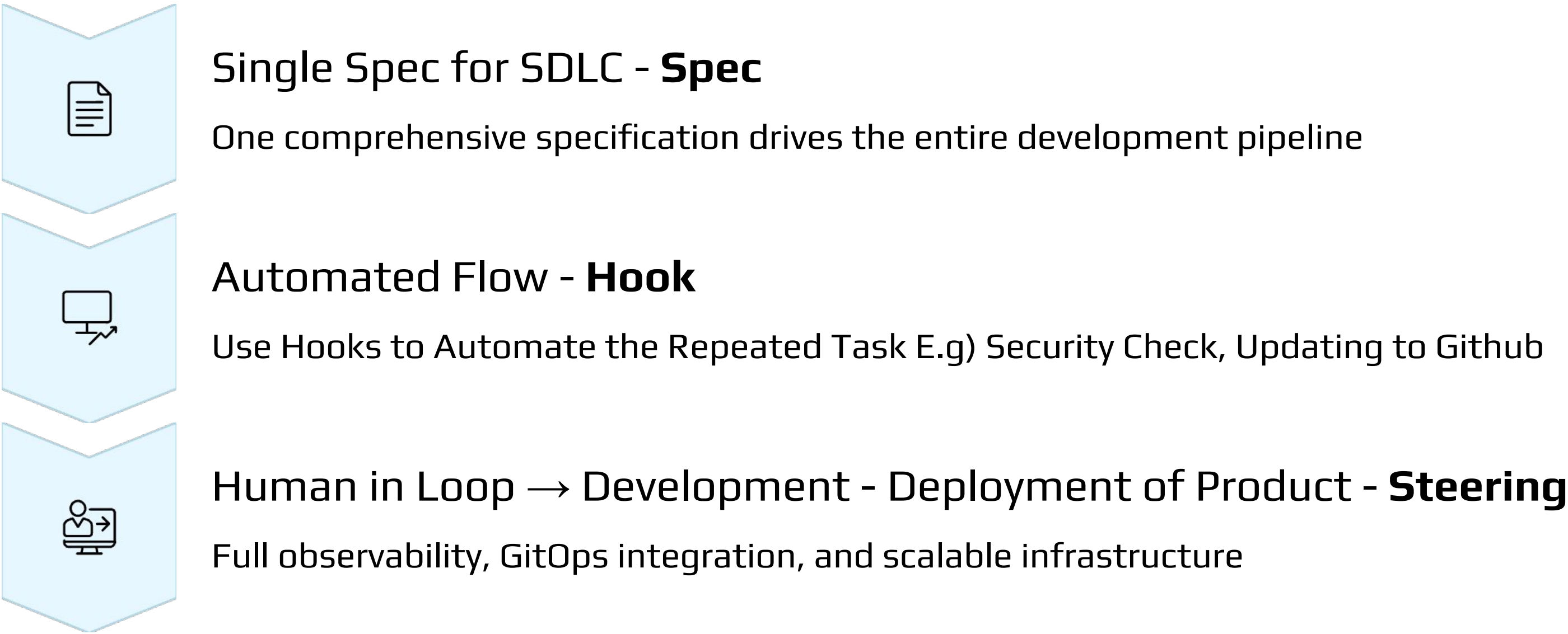Reliable source retrieval via DuckDuckGo for real-time financial insights

Multi-Agent System Overview

AdvisoryOrchestratorAgent coordinates four specialized sub-agents to deliver comprehensive financial analysis and strategic recommendations.

From Spec to Scale: Complete Automation

This entire financial advisory system—built, tested, documented, secured, and deployed—emerged from a single agent specification using Kiro's intelligent development flow.

Single Spec for SDLC - **Spec**

One comprehensive specification drives the entire development pipeline

Automated Flow - **Hook**

Use Hooks to Automate the Repeated Task E.g) Security Check, Updating to Github

Human in Loop → Development - Deployment of Product - **Steering**

Full observability, GitOps integration, and scalable infrastructure

"Build small, scale with clarity" isn't just a philosophy—it's a practical development methodology that transforms how technical teams approach AI agent deployment.

Ready to revolutionize your agent development workflow? The layered approach with Kiro + Bedrock AgentCore delivers enterprise-grade results with startup-level agility.

Spec-to-Deploy Flow with Kiro + Strands + AgentCore

MCP Setup
(Strands + Bedrock AgentCore)

↓

Manual POC Code
Multi-Agent in Strands

↓

Kiro Prompt − Spec
Requirement + Design + Tasks

↓

Kiro Generates Code
Multi-Agent System
End-to-End

↓

Hooks & Validation
• Security Guardrails
• Auto Git Commit for .ipynb

↓

Deployment Prompt
"Deploy working .ipynb to prod"

↓

AgentCore Deployment
Runtime + Gateway Ready

DEMO TIME