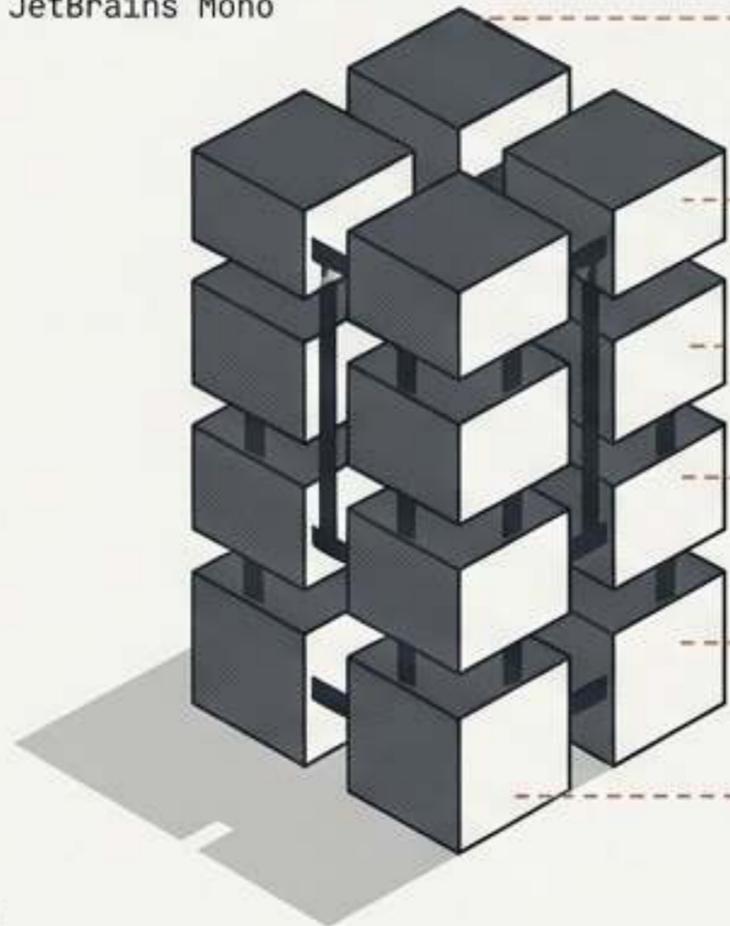


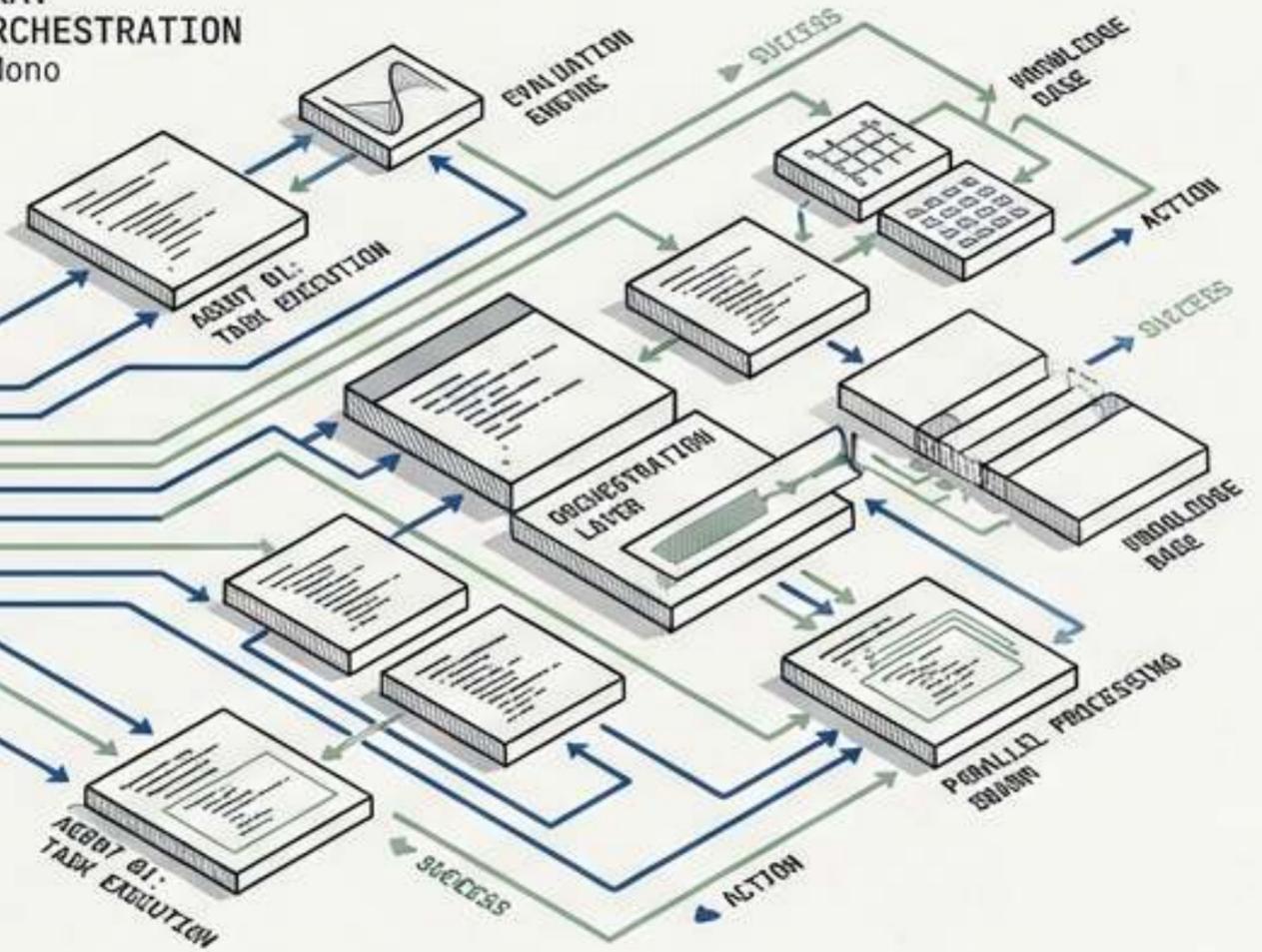
THE EXECUTION MIAT IS DEAD.

New Rules for the Agentic Era: Orchestration, Evals, and the Future of Knowledge Work.

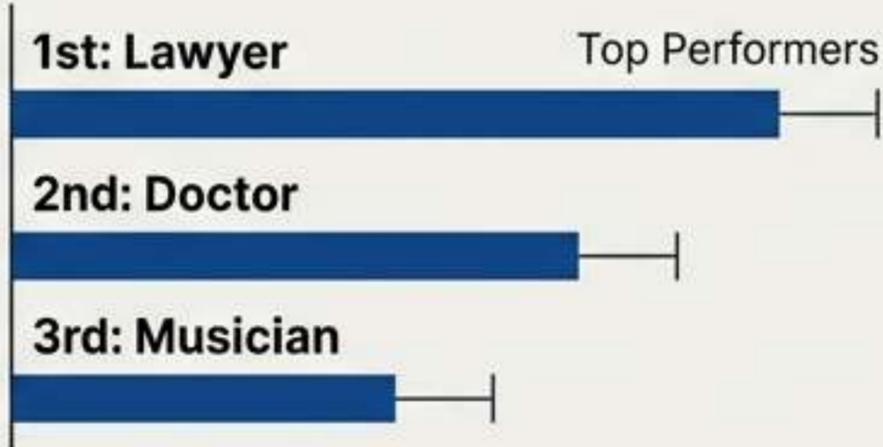
TRADITIONAL SOFTWARE
MONOLITH
JetBrains Mono



AGENTIC ERA:
MODULAR ORCHESTRATION
JetBrains Mono



THE COLLAPSE OF THE EXECUTION BARRIER



The Anthropic Hackathon Anomaly

Out of 500 competing developers, the winners of the recent Anthropic Claude Code hackathon were non-engineers armed with domain expertise and AI tools.

200+

The Volume Anomaly

A non-programmer in San Francisco has won over 200 hackathons in two years purely through “vibe coding” — dictating app requirements to AI agents without writing manual syntax.

-27.5% ↘

The Market Reality

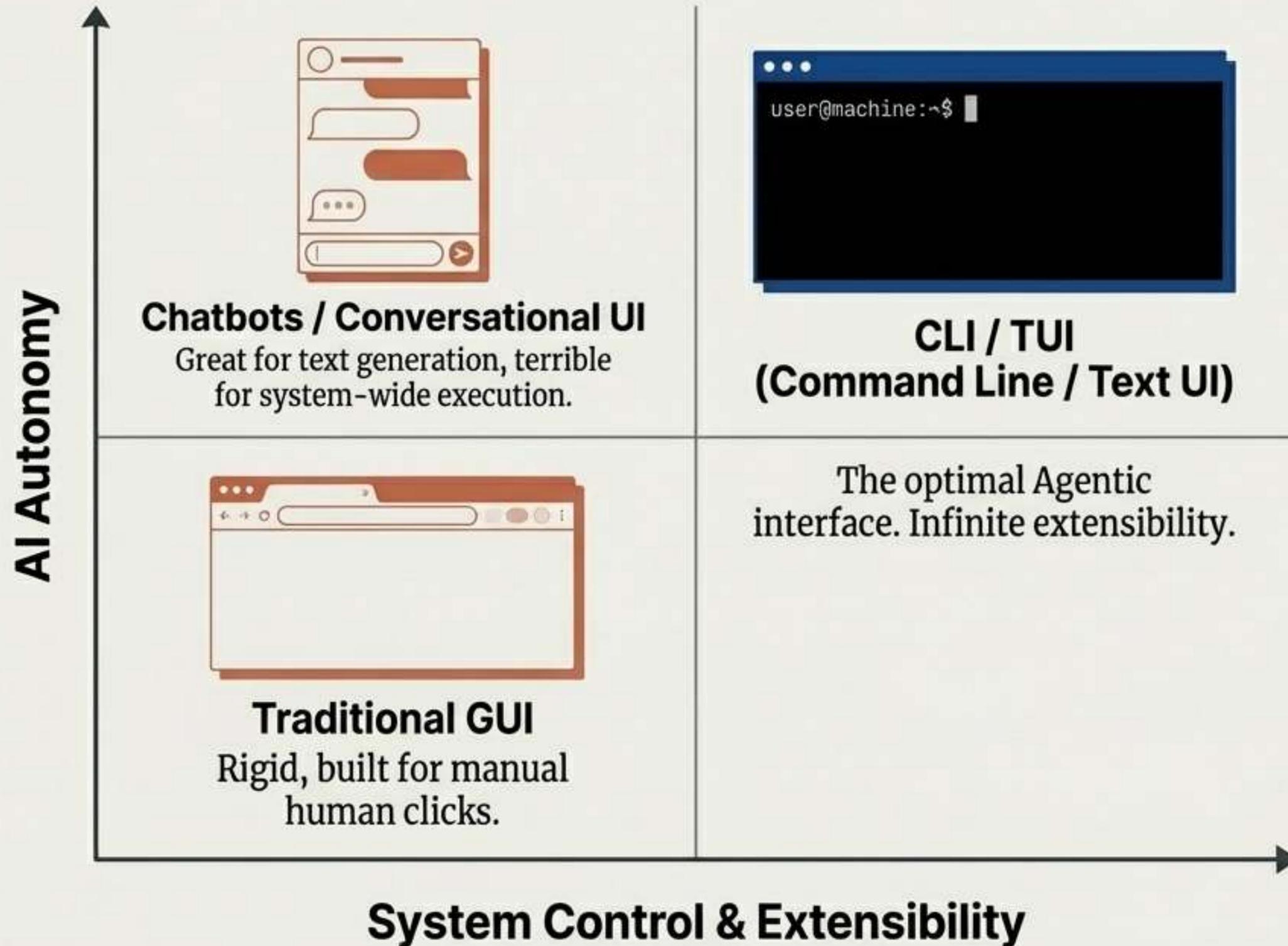
Overall programmer hiring dropped 27.5% in two two years. 90% of surveyed survey companies stated AI tools are more cost-effective than hiring junior developers.

Key Takeaway: Writing code is no longer a competitive advantage. The execution barrier has dropped to zero.

THE SHIFTING MOAT MATRIX

The Traditional Developer	The Disappearing Middle	The Hybrid Domain Expert
Trajectory: Extinction 	Trajectory: Replaced by Models 	Trajectory: Exponential Leverage 
Primary Skill: Hand-writing syntax.	Primary Skill: Average technical execution.	Primary Skill: Deep Domain Knowledge + Problem Definition.
AI Usage: Basic autocomplete (Level 1-2 adoption).	AI Usage: Basic prompting, easily replicated workflows.	AI Usage: Vibe Coding & Agent Orchestration.
Vulnerability: Refusing to adapt to agentic orchestration; trapped inside an IDE ecosystem.	Vulnerability: No deep domain knowledge to direct the AI toward meaningful business problems.	Strength: Knowing exactly WHAT to build and WHY, while autonomous AI agents handle the HOW.

THE UX PARADIGM SHIFT: WHY CLI IS BACK



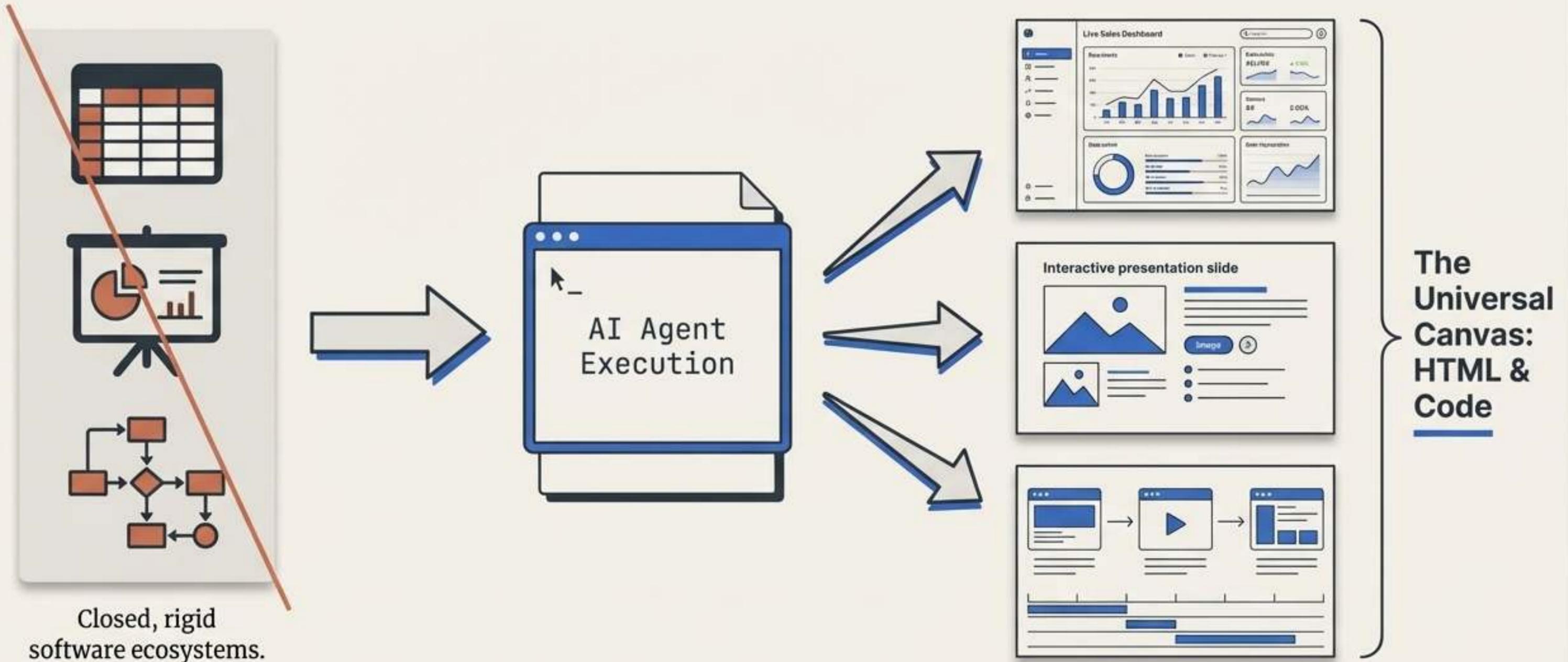
The MCP vs. CLI Factor

Model Context Protocol (MCP) requires AI to hold massive tool manuals in context, wasting expensive tokens.

The Command Line uses simple `--help` commands, allowing AI to read documentation only when actively needed.

It is perfectly built for agent workflows.

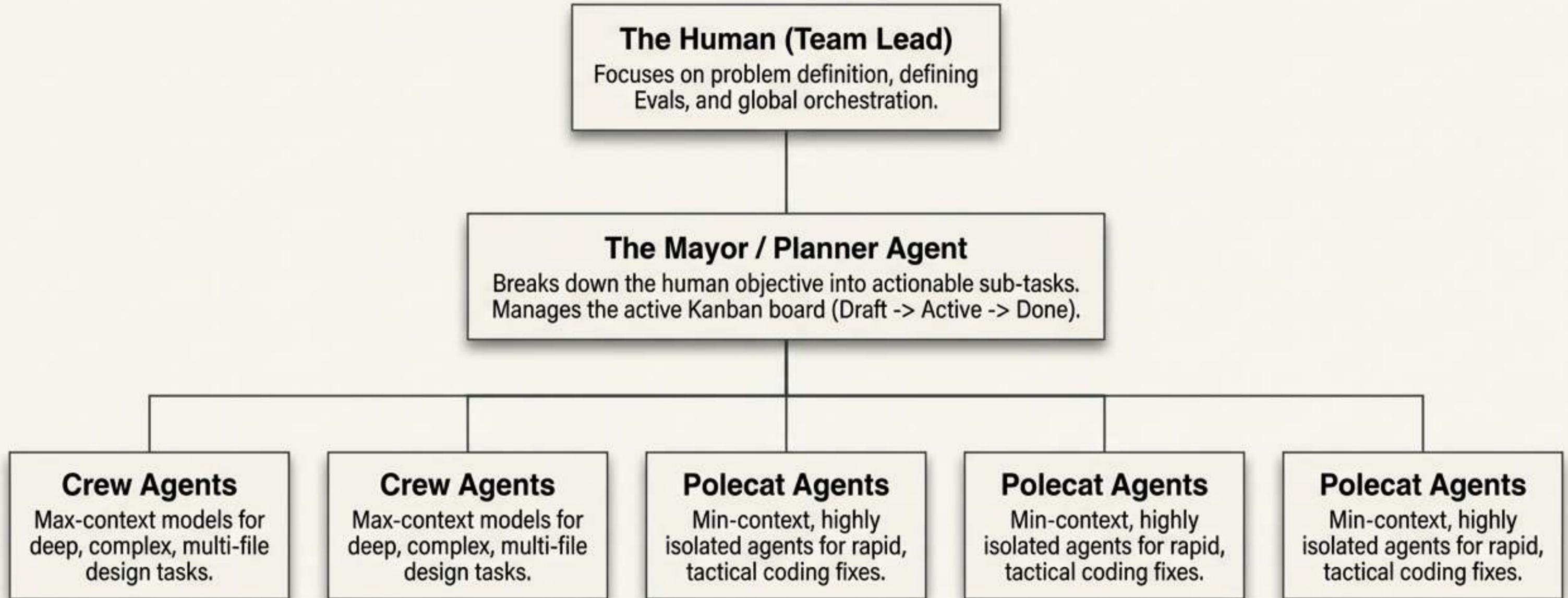
CODE AS THE UNIVERSAL CANVAS



Code is the foundation of all knowledge work. You no longer need to learn proprietary presentation or spreadsheet software. You prompt the agent, it writes the underlying code, and the web browser renders your bespoke software instantly on the fly.

THE ORCHESTRATOR MODEL

From Pair Programming to Swarm Management

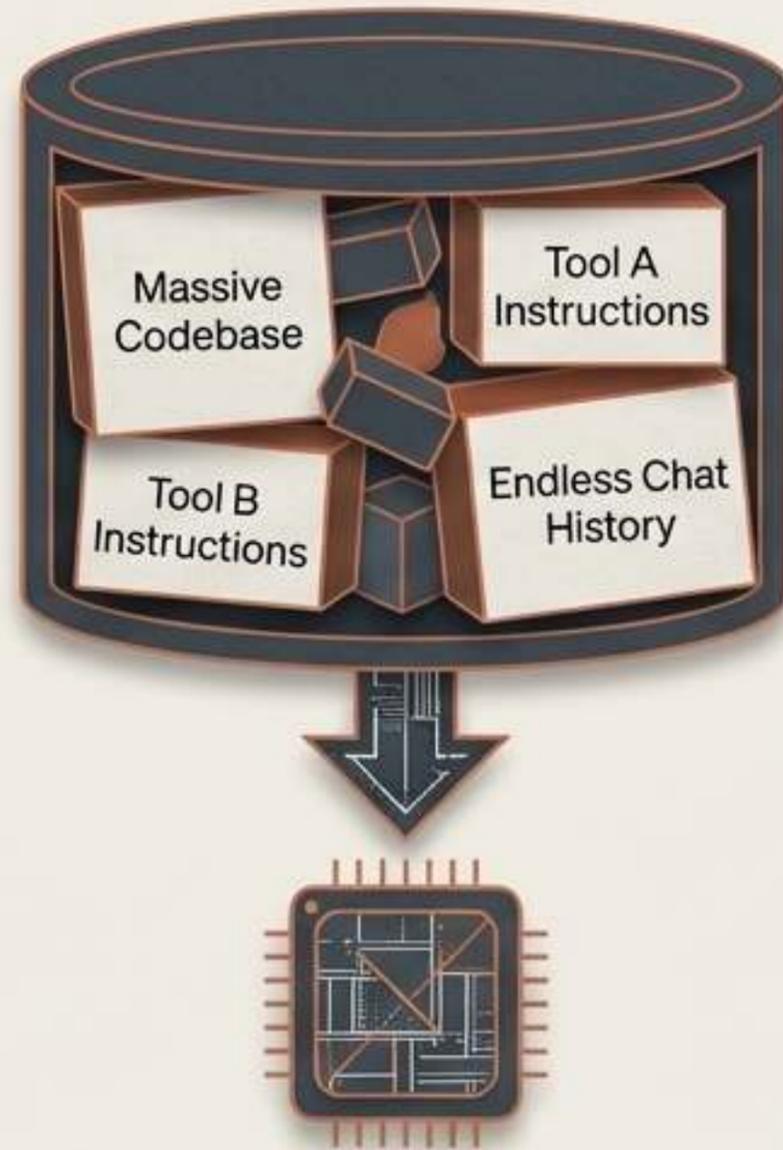


You are no longer a pair programmer. You are the director of an infinitely scaling, parallel execution factory.

THE CONTEXT FORK DIAGRAM

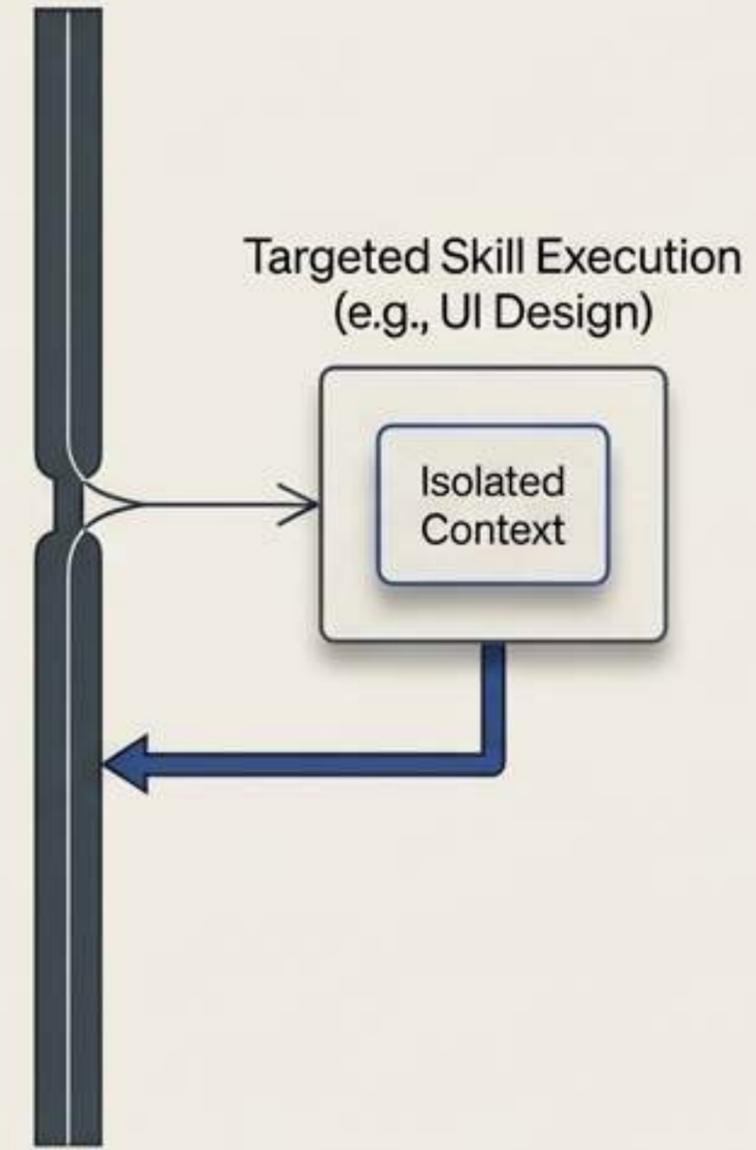
Eliminating Token Waste in AI Architecture

Monolithic Context



Bloated, expensive, and confused AI. Forces the model to hold the entire world in its memory at all times.

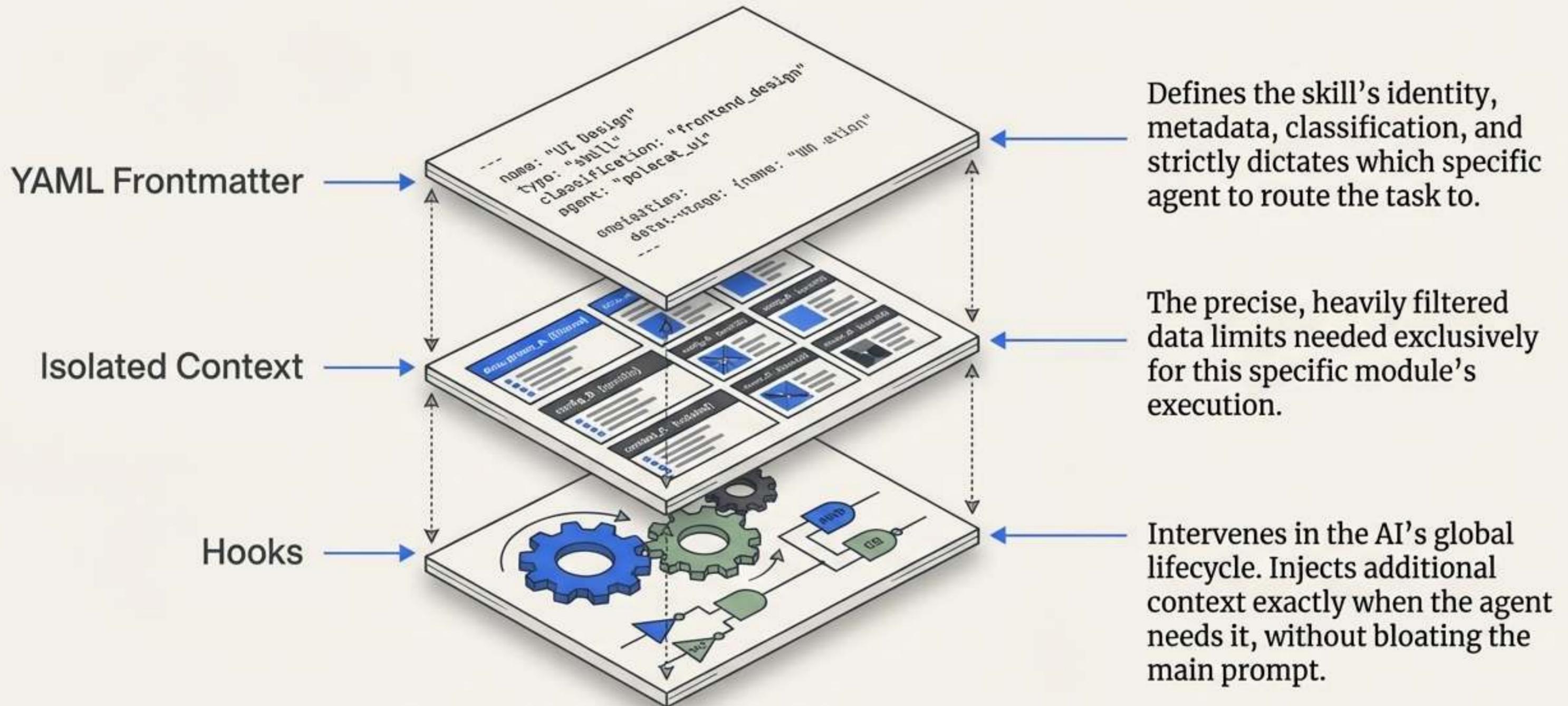
Isolated Context Forking (Skills 2.0)



Lean, modular, isolated agent execution. Zero token waste. The agent only reads the documentation it actively needs.

ANATOMY OF AN AI APP (SKILLS 2.0)

Skills are no longer manual recipes. They are intelligent, self-contained software modules.



THE SKILLS 2.0 DIAGNOSTIC FRAMEWORK

How to future-proof AI workflows against rapid base model updates.

Capability Skills

Definition:

Workarounds designed to help the AI perform a task it is natively poor at (e.g., complex frontend design).



Vulnerability:

Highly vulnerable to model updates. An Opus 5.0 base model will likely outperform your custom skill overnight.



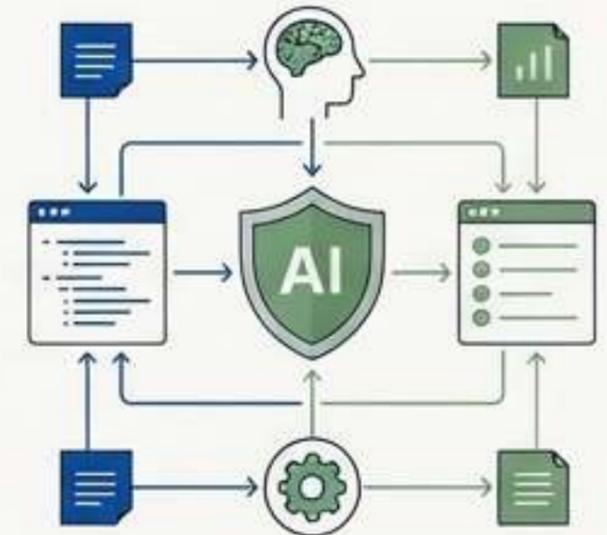
Testing Strategy:

Continuous A/B Testing.
Pit your custom skill against the raw base model. **Drop the skill immediately** when the base model surpasses it.

Preference & Fidelity Skills

Definition:

Constraints that force the AI to strictly adhere to your specific brand voice, proprietary workflow, or architectural rules.



Vulnerability:

Immune to base model updates. Your operational workflow remains your distinct advantage regardless of underlying intelligence.

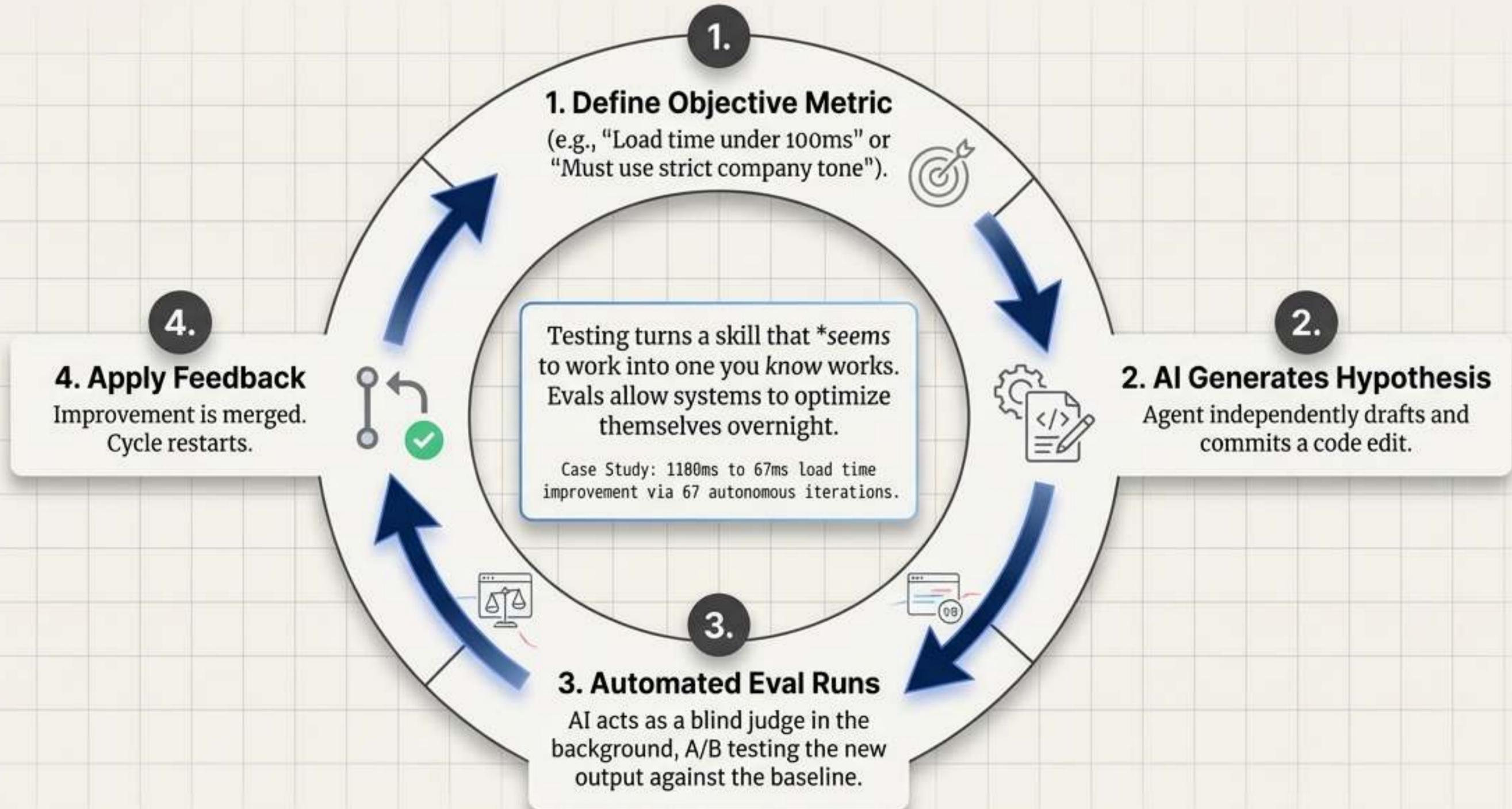


Testing Strategy:

Static Automated Evaluations (Evals).
Does the output follow the company rules **100% of the time without deviation?**

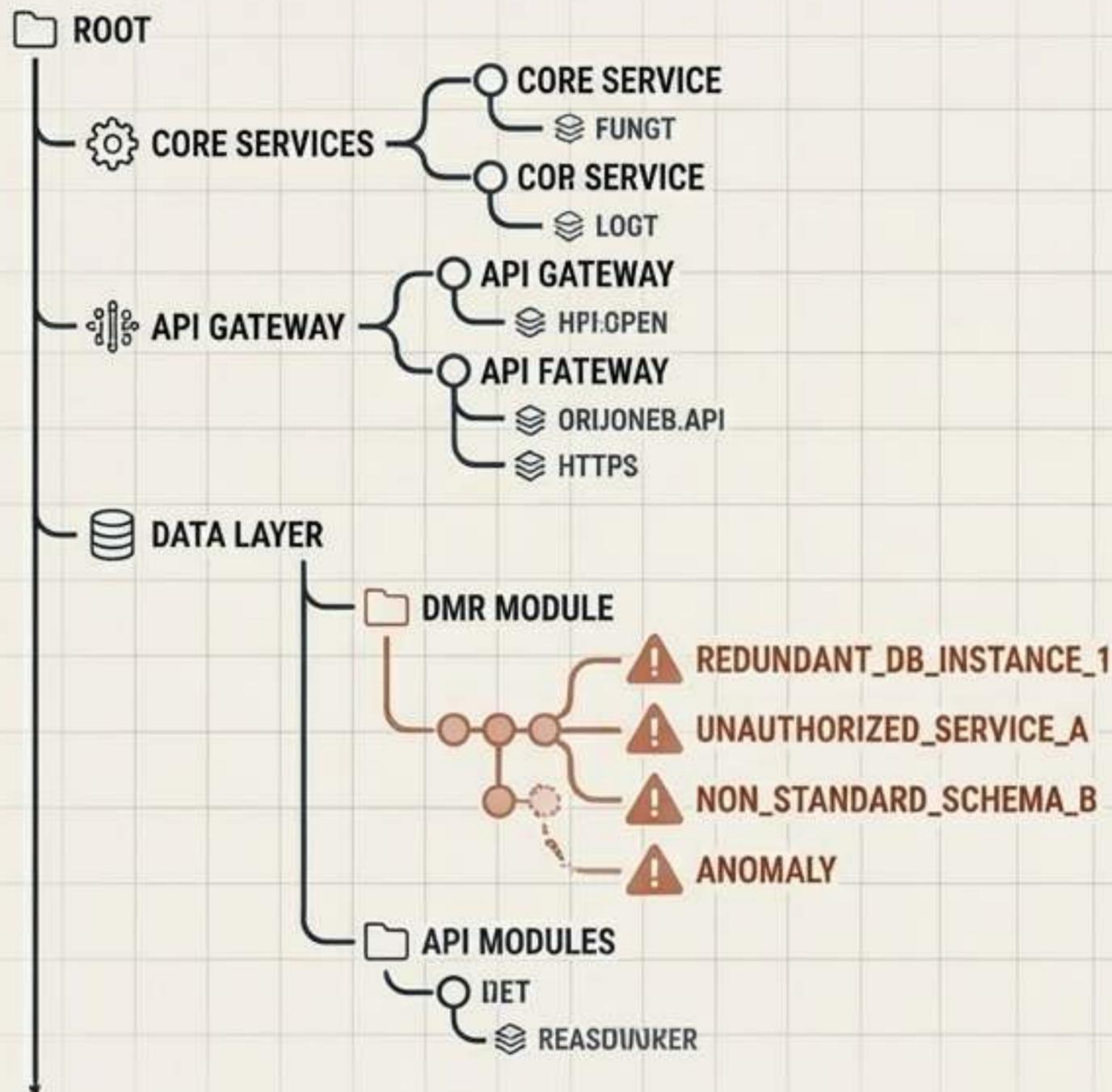
THE EVALS FEEDBACK LOOP

The Auto-Research methodology for autonomous, overnight optimization.



COMBATING SYSTEMIC HERESY

Managing unapproved mutations in agent-run codebases via systemic constraints.



The Threat of Heresy

In vite-coded, agent-run codebases, autonomous agents can silently invent incorrect architectures or spin up redundant databases if left unchecked by humans.

The Bitter Lesson

Do not attempt to outsmart the AI or manually review every Pull Request. It is physically impossible for a human to micro-manage an 80-agent swarm.

The Solution

Document the Heresy explicitly in the root prompt and build automated Evals to detect it instantly. You must manage the system via systemic constraints, not manual oversight.

THE VAMPIRIC PRODUCTIVITY CURVE

The hidden human cost of managing infinite AI execution.



The Vampiric Effect:

Operating an orchestrator requires intense, continuous 'System 2' architectural thinking.

You are 100x more productive, but your human battery drains completely in 3 hours.



VALUE CAPTURE IS SHIFTING. Pushing developers to run agent swarms for 8 hours a day will break the workforce. **The new work-life balance requires redefining human output expectations.**

THE NEW PROXY METRIC FOR SURVIVAL

TOKEN BURN

\$14,204.00

- ▲ The single most important proxy metric for organizational learning in the Agentic Era.
- ▲ **High Token Burn** = Your team is actively pushing limits, **failing, learning**, and mapping organizational bottlenecks to AI workflows.
- ▲ **Low Token Burn** = Your team is **stuck** using static autocomplete tools while competitors build autonomous Agentic Orchestrators.

If you want your engineers leveled up, you must immediately incentivize maximum experimentation.

The New Meta: Directing Infinite Intelligence

Deep Domain Knowledge

Knowing exactly WHAT to build. The problem-space expertise that AI fundamentally lacks.

Context Engineering

Knowing exactly HOW to orchestrate. Setting the rules, writing the Evals, and defining system boundaries.

We are no longer craftsmen manually writing lines of code. The execution barrier is dead. The future belongs exclusively to those who can define the perfect problem, build the absolute evaluation, and let the **agents do the rest.**