

Enterprise design-to-code

Design to code, for enterprise systems.

Internal rules become retrieval, composition, and proof.

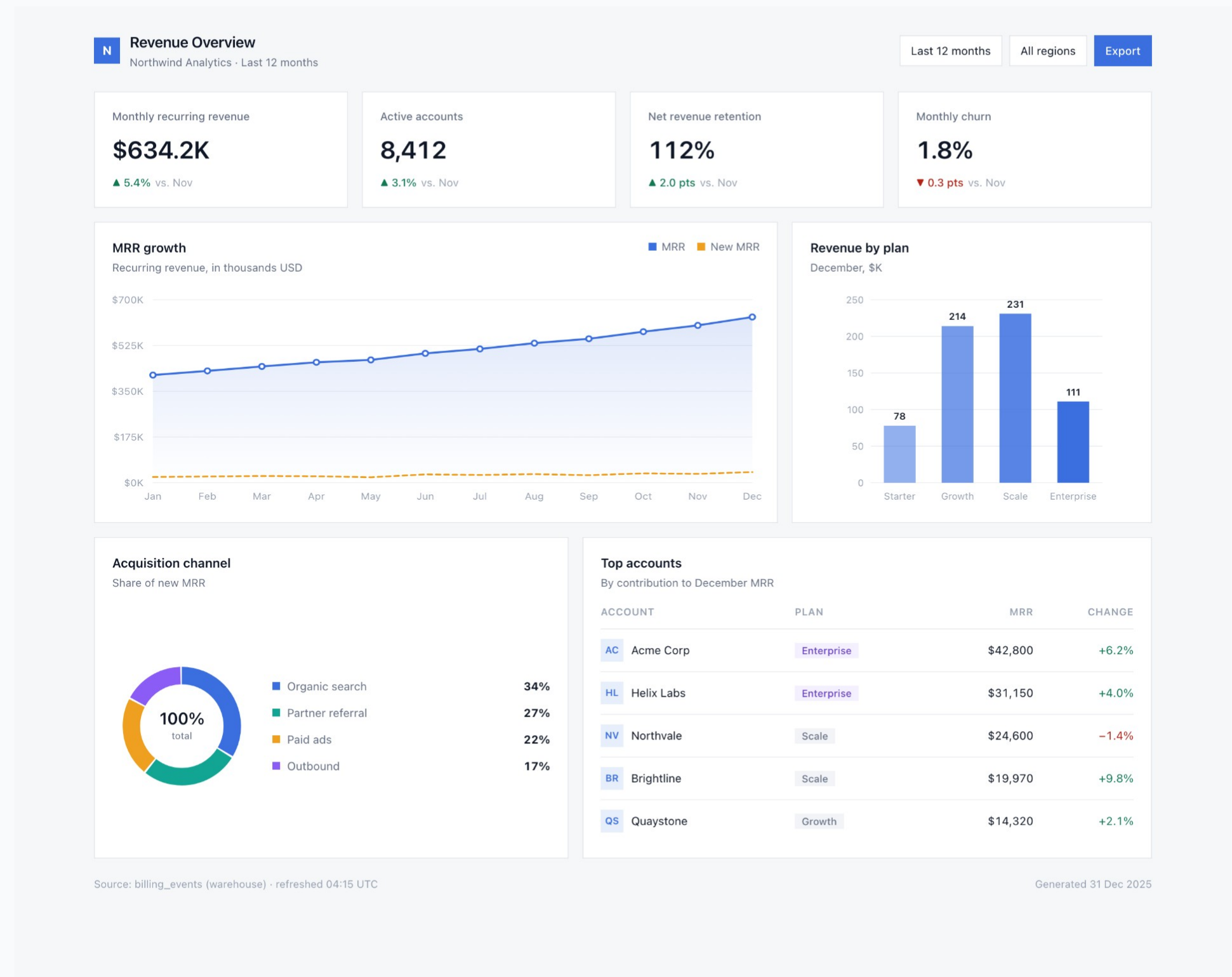
Cursor / CLI contracts / Doctor



The problem

Same prompt, on a public design system.

Coherent, and not ours.

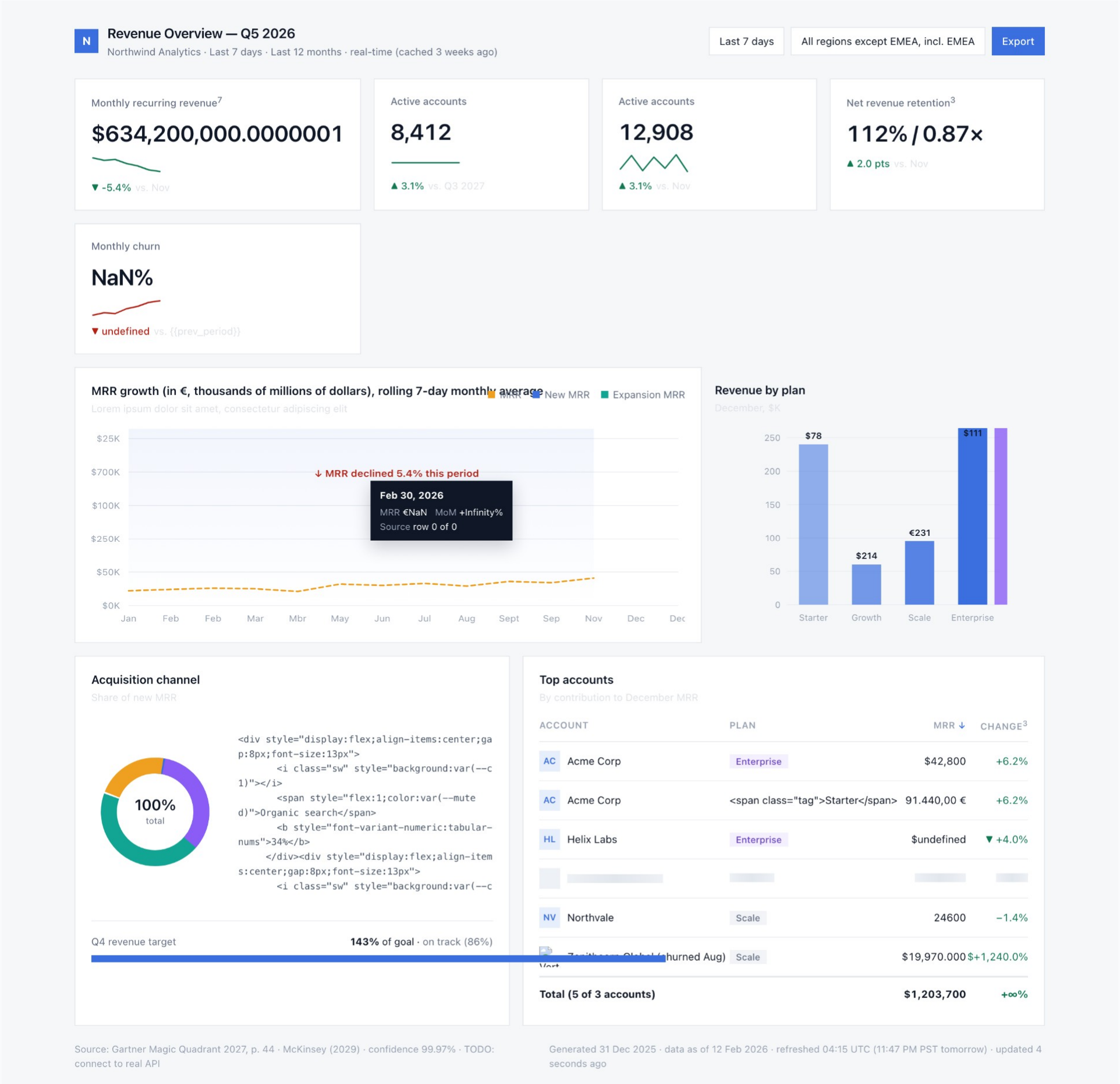


For illustrative purposes

The problem

Same prompt, on a closed internal system.

Nothing to retrieve. Everything drifts.





GPT



Claude



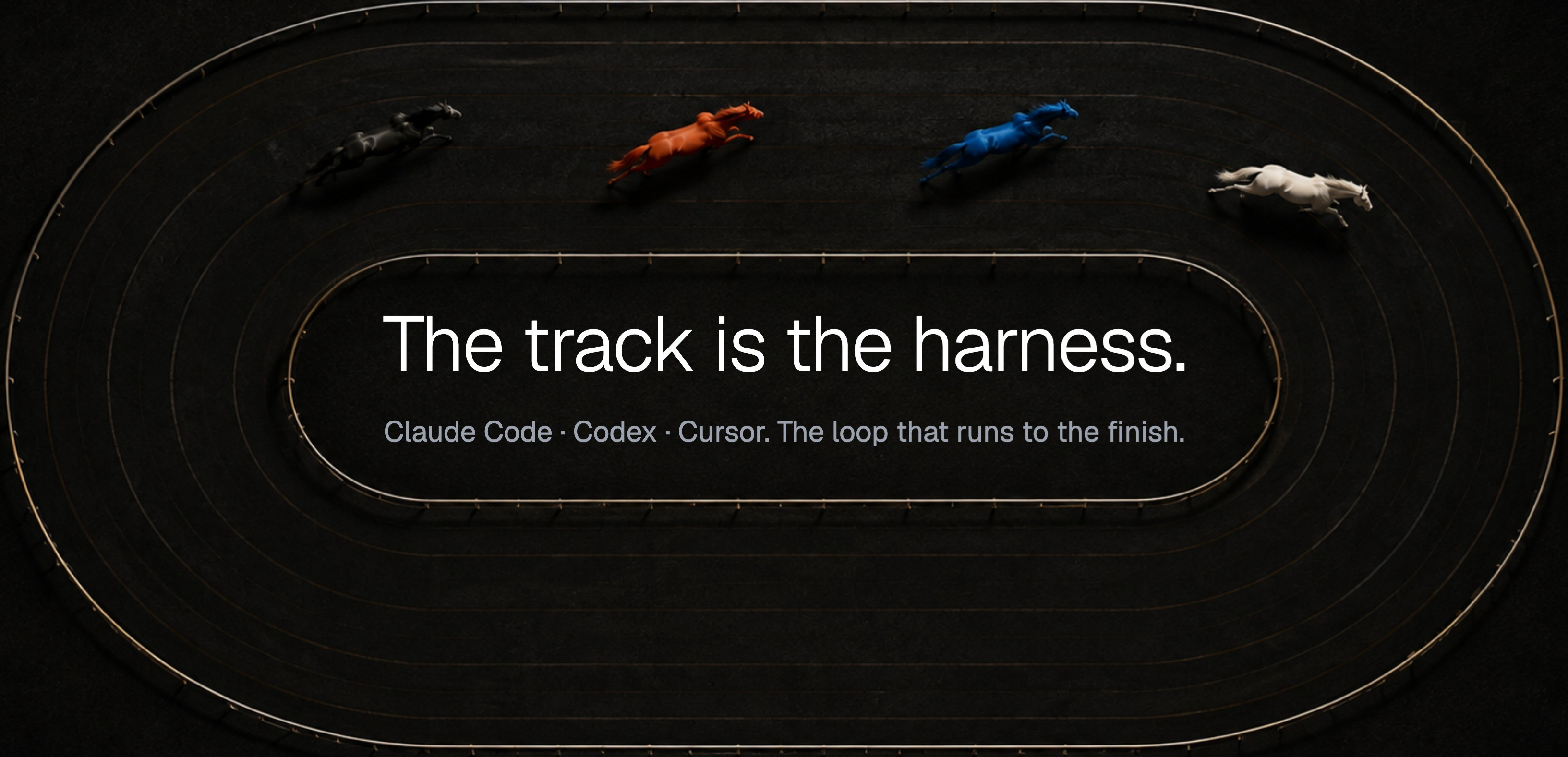
Llama



Gemini

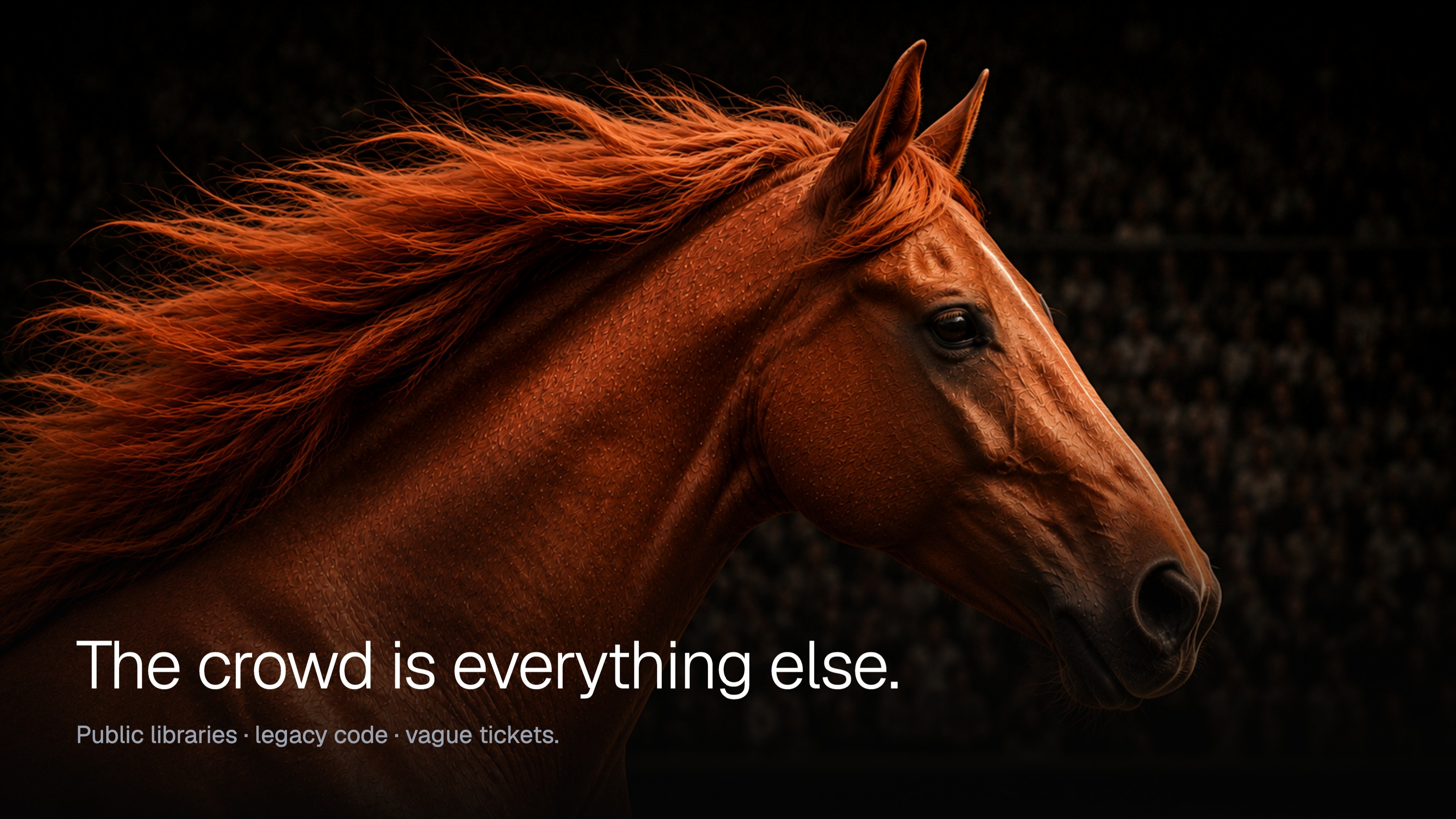
The models are horses.

They don't know your finish line.



The track is the harness.

Claude Code · Codex · Cursor. The loop that runs to the finish.



The crowd is everything else.

Public libraries · legacy code · vague tickets.



Blinders don't slow the horse.

They remove the periphery.



Too much tooling
and it stops running.

Constrain the view, not the vision.

What we built.

01



Custom CLI search

Retrieval scoped to the internal system.

02



Validators

Tokens · icons · imports.

03



Self-healing system

JSON troubleshooting on failure.

04



Figma compact context

Screen Spec MD, straight from the file.

One query. One answer.

01

>_

Custom CLI search

Retrieval scoped to the internal system.

Ask

Add a primary button to the assignment header.

Query

ds find "primary button" --scope internal

0.3s

Returns

Path	ui/Button.tsx
Variants	primary · ghost · danger
Tokens	bg/action-primary
Owner	@design-systems

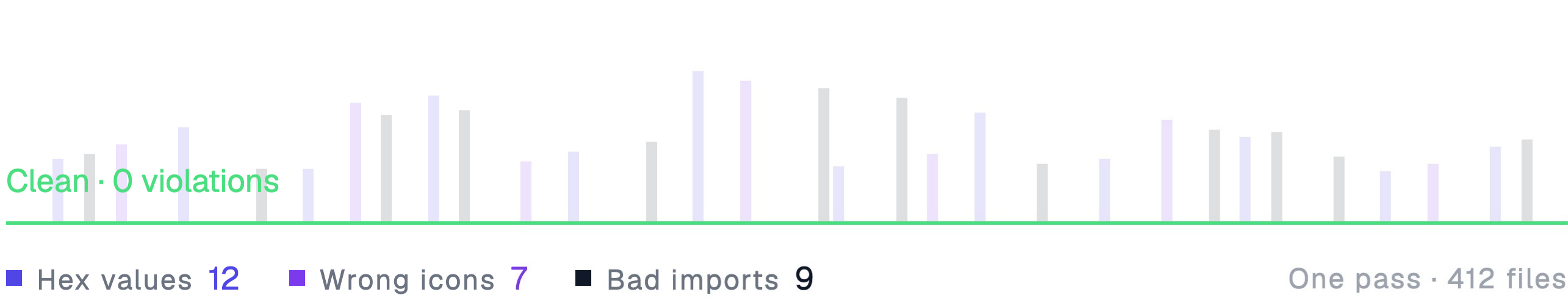
~30 lines

The loop only exits on green.

02

Validators

Tokens · icons · imports.



Retry

```
$ ds validate ArticleCard.tsx
x 28 violations
  Agent applies the token map
$ ds validate ArticleCard.tsx
x 3 violations
  Agent rewrites the imports
$ ds validate ArticleCard.tsx
✓ 0 violations – stop
```

hex 12 · icons 7 · imports 9

imports 3

A failure the agent can read.

03



Self-healing system

JSON troubleshooting on failure.

🔍 token_not_found |

doctor-report.json · 1 match

```
{
  "check": "import_path",
  "status": "pass",
}

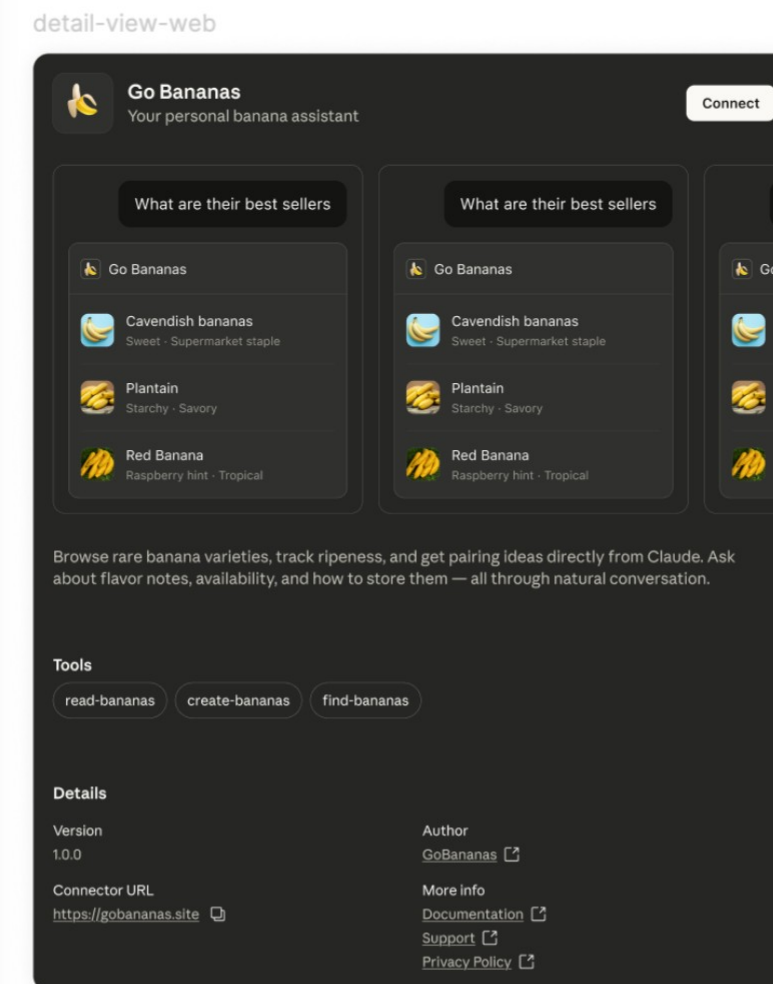
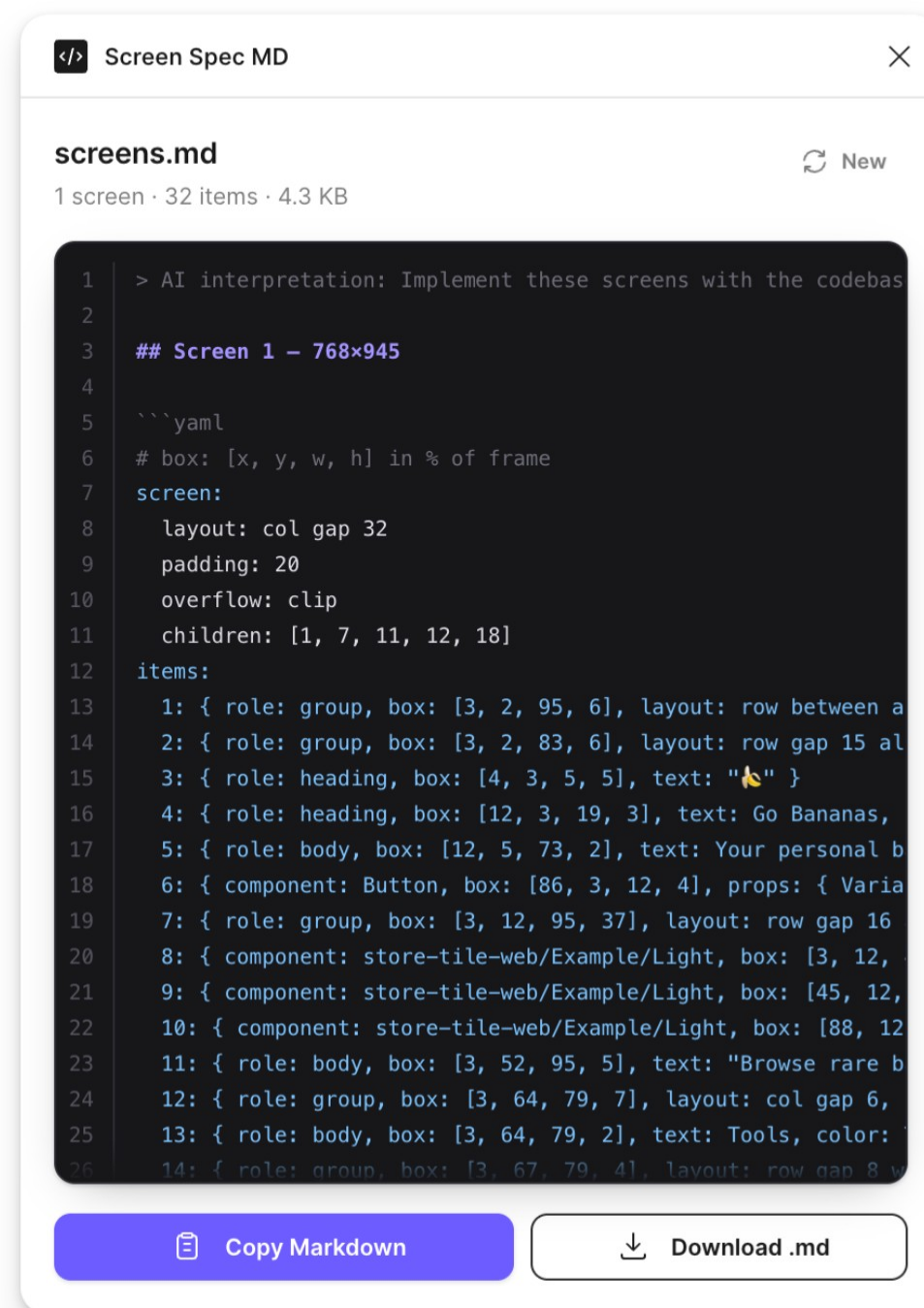
{
  "error": "token_not_found",
  "path": "ui/Button.tsx:42",
  "found": "#3b5bdb",
  "expected": "bg/action-primary",
  "fix": "replace hex with token",
}

{
  "check": "contrast",
```

The spec comes from the file.

Figma compact context

Screen Spec MD, straight from the file.



Measured

Seven times less context. More signal.

Input route	Text tokens	PNG tokens	Total	Data quality	Noise ¹	Usefulness
Figma MCP + PNG	16,326	999	17,325	8/10 precise visual values, weaker component semantics	8/10	7.5/10
Screen Spec MD plugin + PNG	1,483	999	2,482	9/10 hierarchy, ownership, props and tokens are explicit	2/10	9.5/10

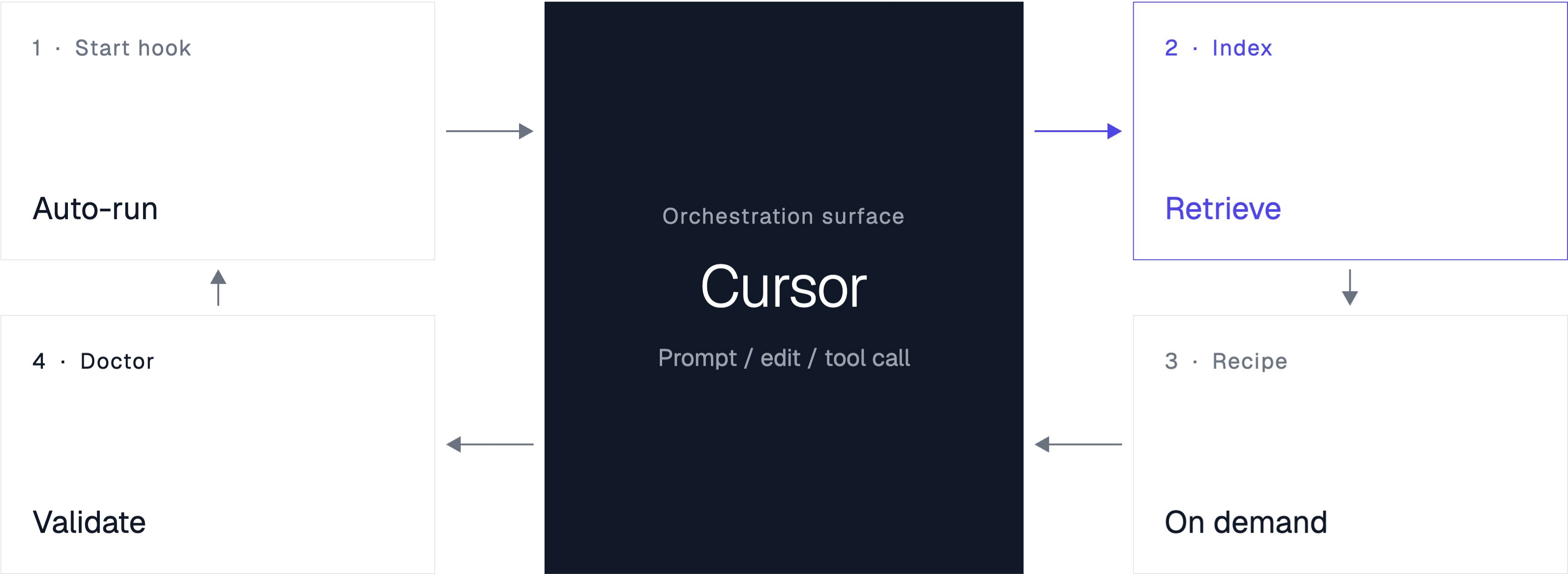
One screen, measured on the same file.

¹ Lower is better

The fix is not a better prompt. It is a smaller contract.

Four controls. One governed loop.

Cursor orchestrates; the surrounding system retrieves, composes, and verifies.



Try it

Screen Spec MD, live.

■ Screen Spec MD

Live demo

```
# Screen – Assignment detail

## Header
– Title · text/primary · 24/32
– Status · Badge · bg/success-subtle

## Body
– Table · 6 cols · row height 48
– Empty state · "No assignments yet"

## Actions
– Button / primary · "Confirm assignment"
– Button / ghost · "Cancel"
```



Figma plugin

Screen Spec MD

figma.com/community/plugin



Source

joeldfs / screen-spec-md

github.com/joeldfs/screen-spec-md