

From APIs to AI Agents

Model Context Protocol (MCP)

Louis van Roessel
Product | DevX

adyen

engineered
for ambition



ChatGPT

150 million
daily gen AI users



Chat

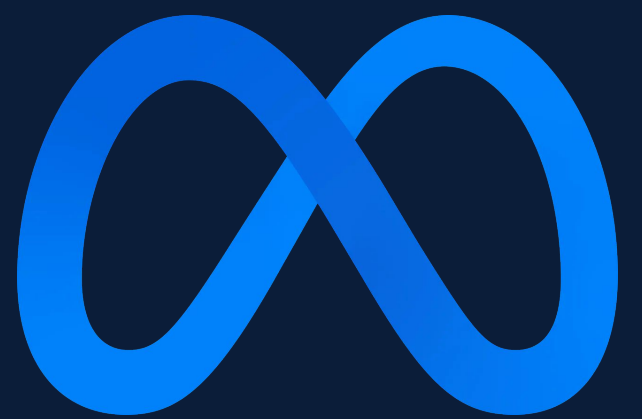


Application

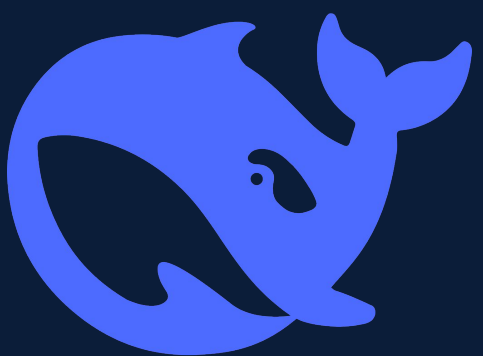
GPT



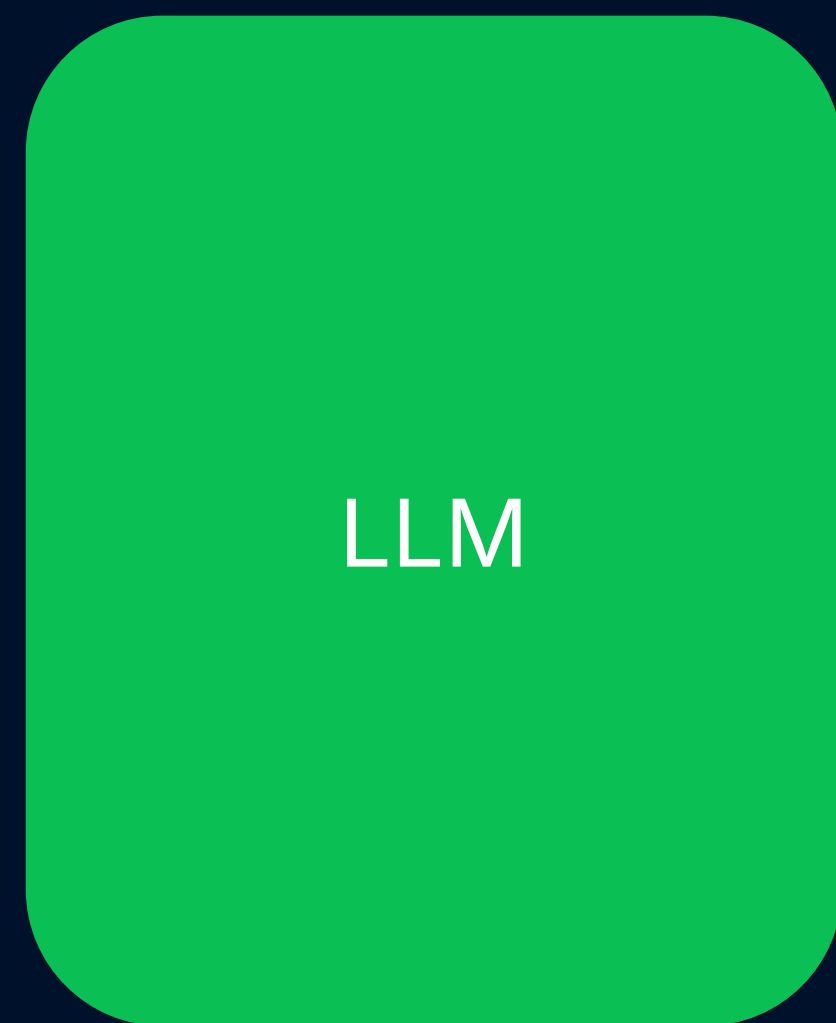
LLM



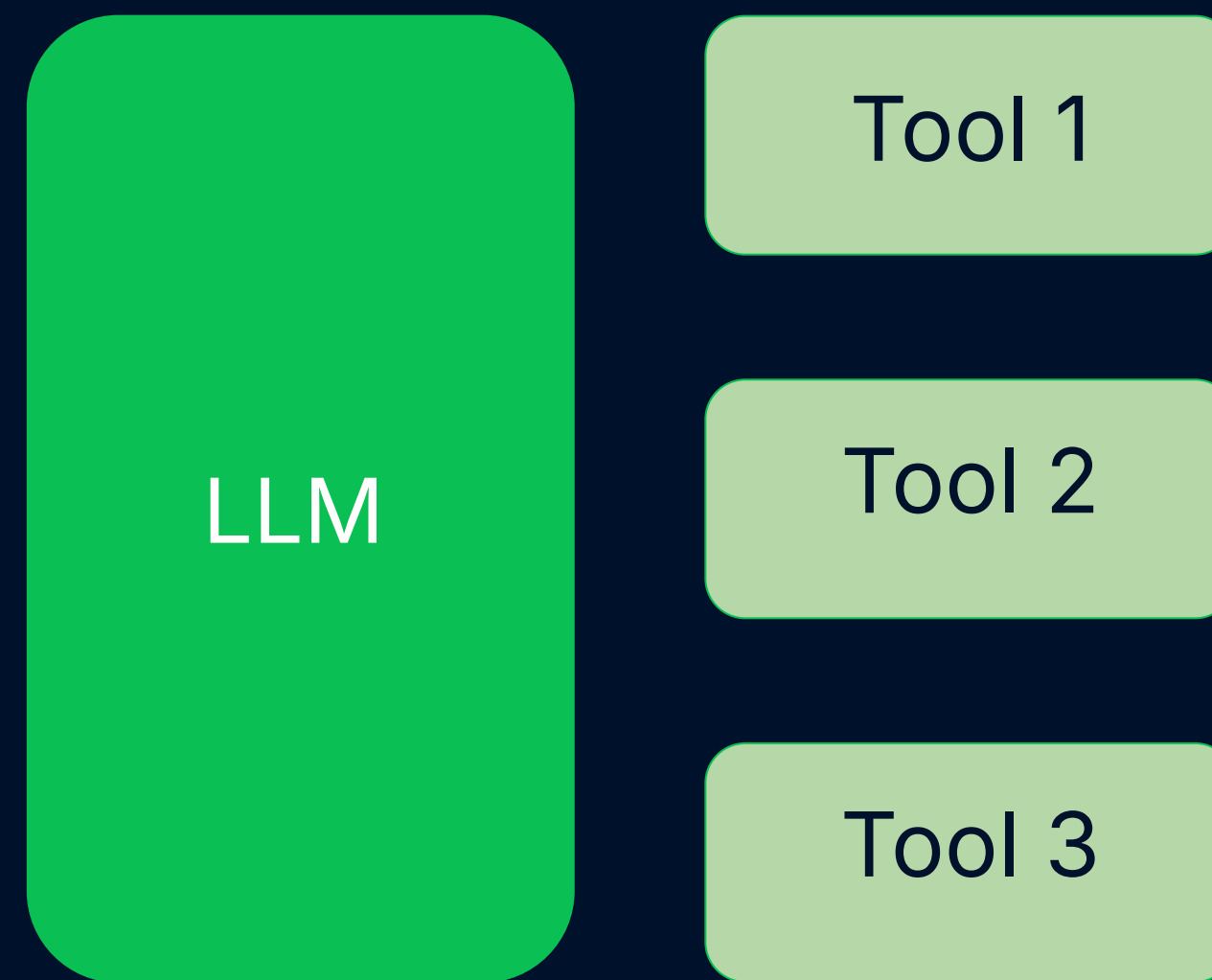
Gemini



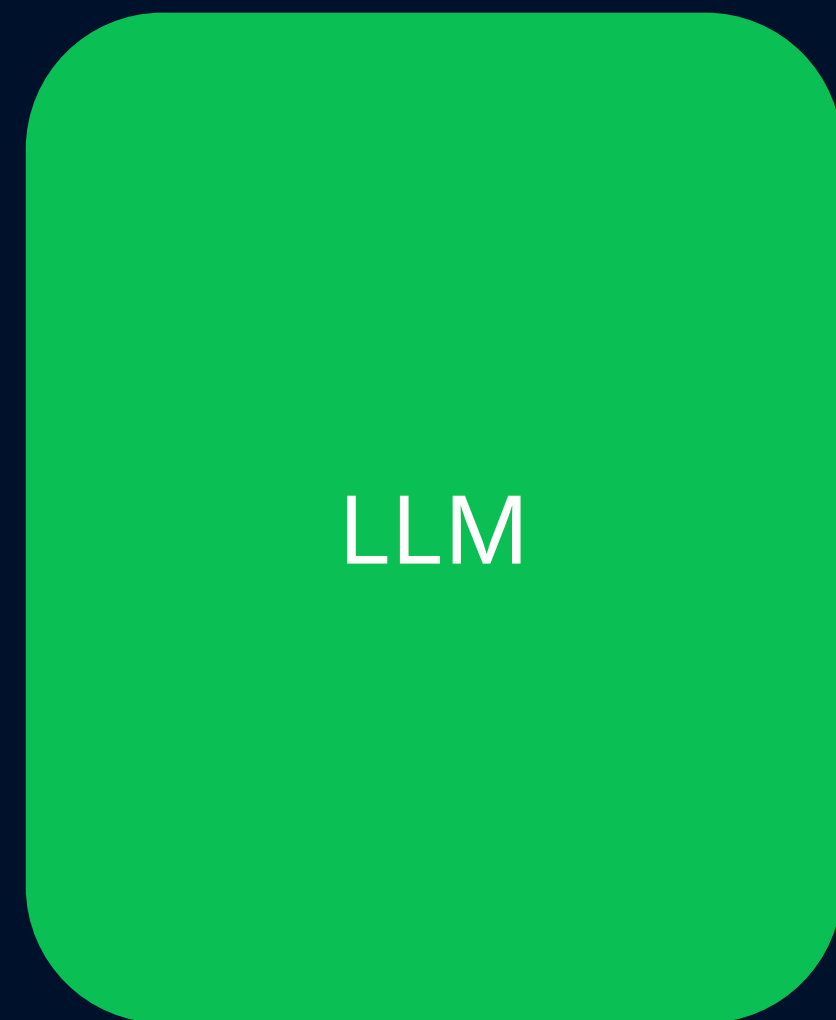
1. Just the LLM



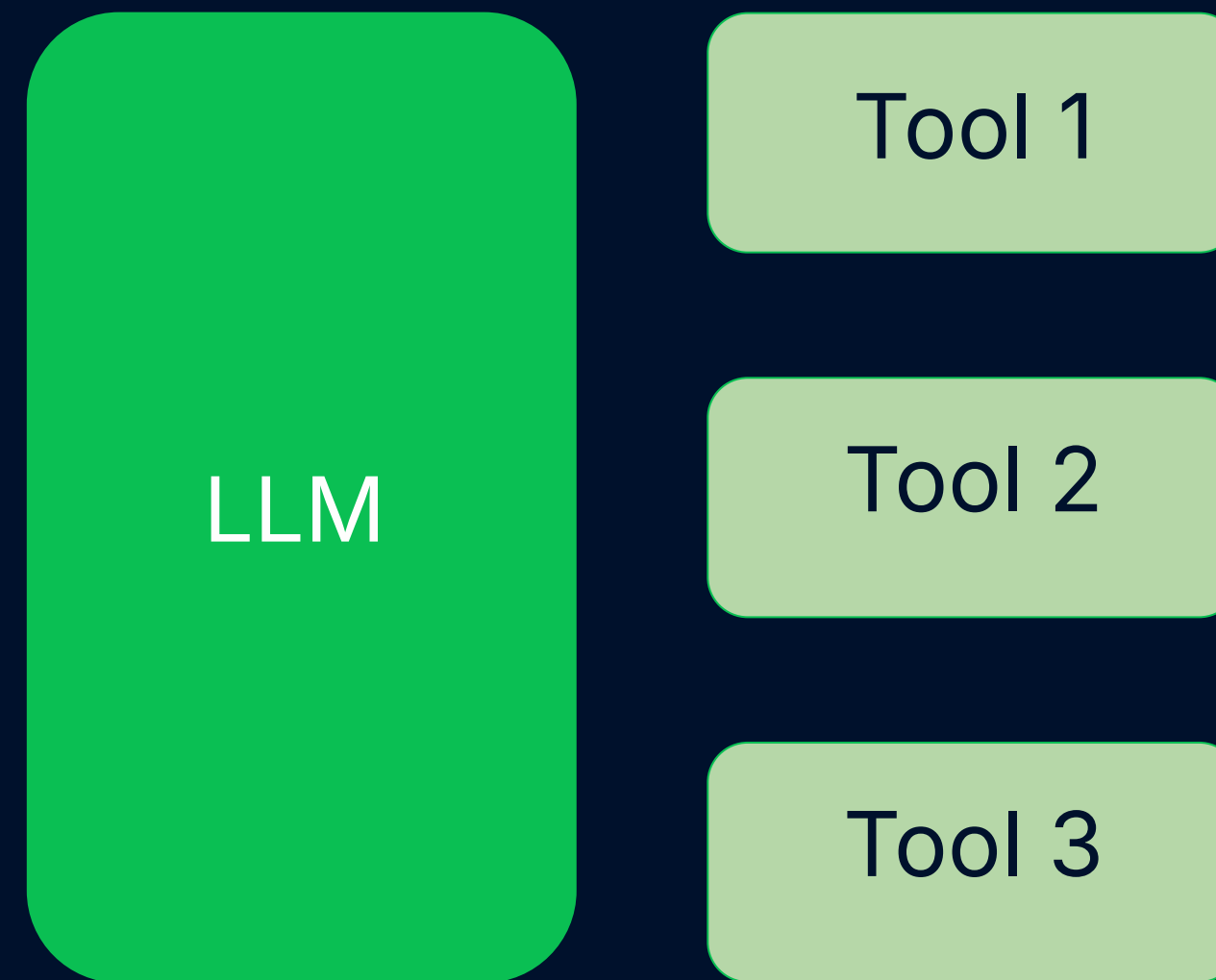
2. LLMs + Tools



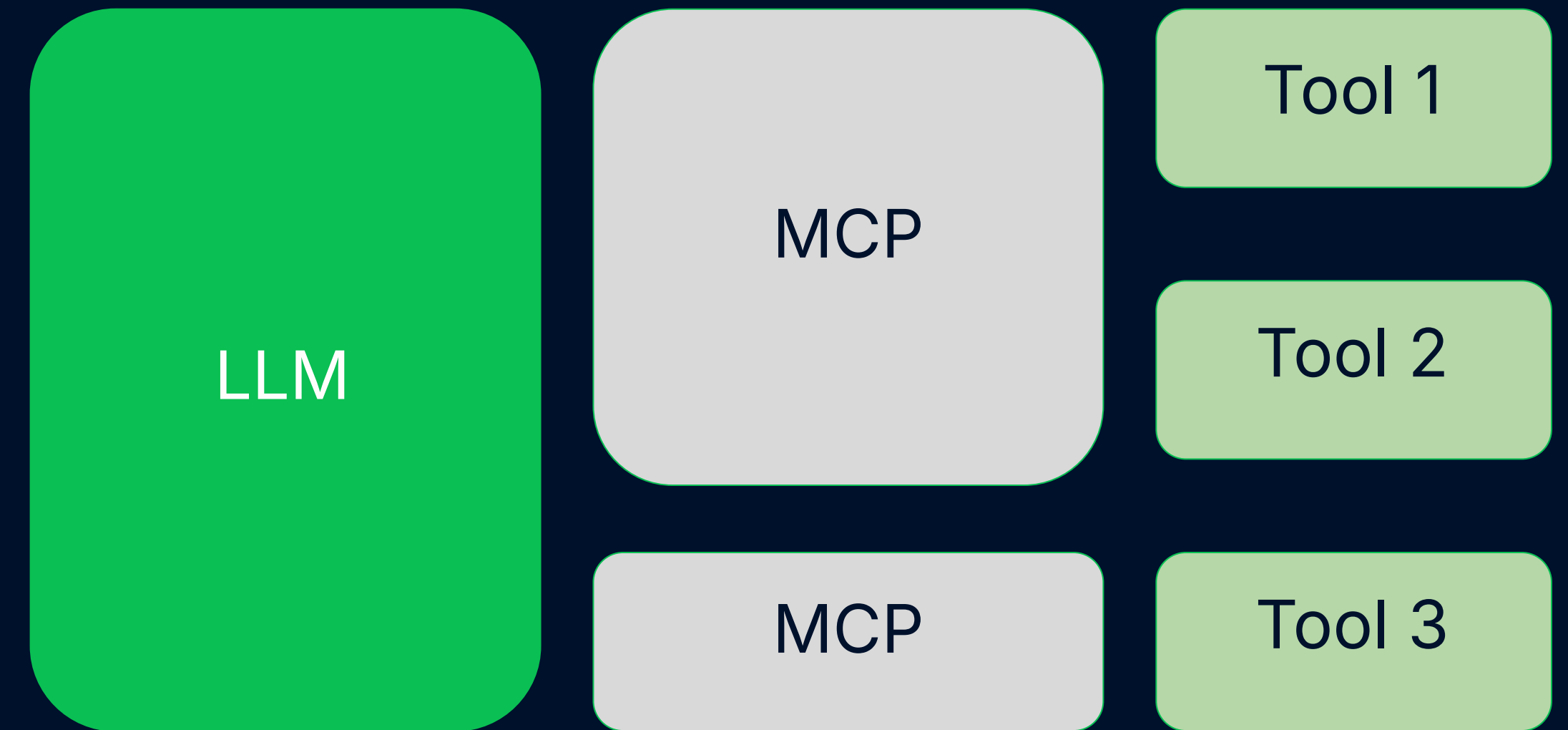
1. Just the LLM



2. LLMs + Tools



3. LLMs + MCP



MCP $\Rightarrow$ Connecting AI to the real world



Engineers  standards



Standards let systems communicate and scale

15,973 Servers Updated: just now

Find The Best MCP Servers

Directory of awesome MCP servers and clients to connect AI agents with your favorite tools.

All

Developer Tools

API Development

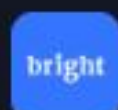
Data Science & ML

Productivity & Workflow

Other

>

Official MCP Servers

[View all official servers →](#)**Bright Data**

★ 1,485

Empowers AI agents to access, discover, and extract real-time web data, bypassing...

Data Science & ML

**Firecrawl**

★ 4,195

Empowers LLMs with advanced web scraping capabilities for content extraction,...

API Development

**ElevenLabs**

★ 1,015

Enables interaction with Text to Speech and audio processing APIs for MCP clients.

API Development

**Magic**

★ 3,826

Generate modern UI components instantly from natural language descriptions with...

**Browserbase**

★ 2,734

Enables LLMs to control cloud browsers for web interaction, data extraction, and tool...

**Exa**

★ 3,076

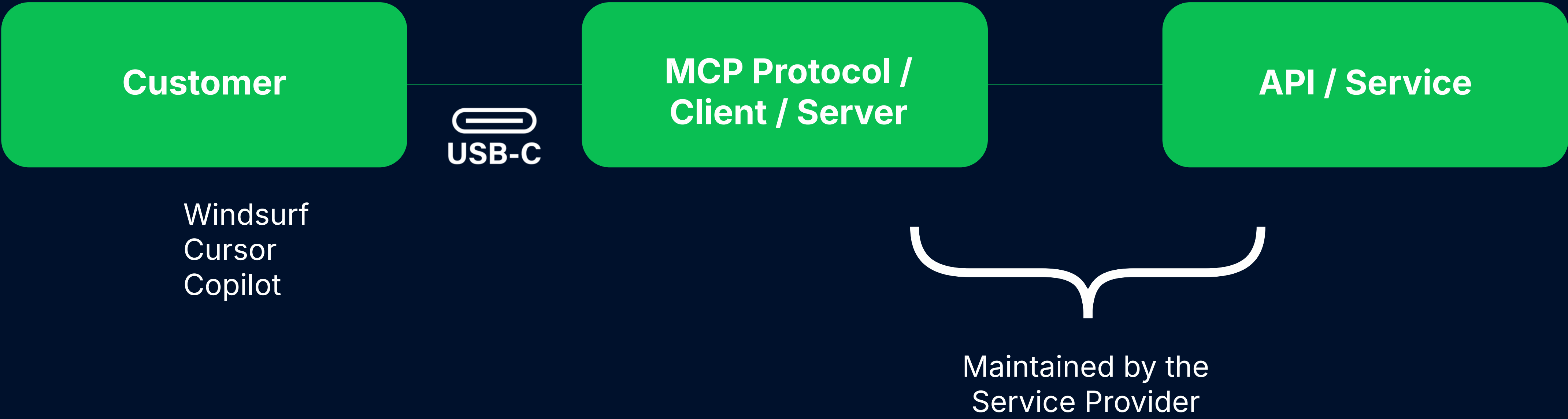
Enables AI assistants like Claude to perform web searches using the Exa AI Search API...

[LIVE
DEMO]

Before



After



Payments require precision, auditability and trust



MCP turns payment infrastructure from something businesses *maintain* into something that *learns* and *improves* on its own

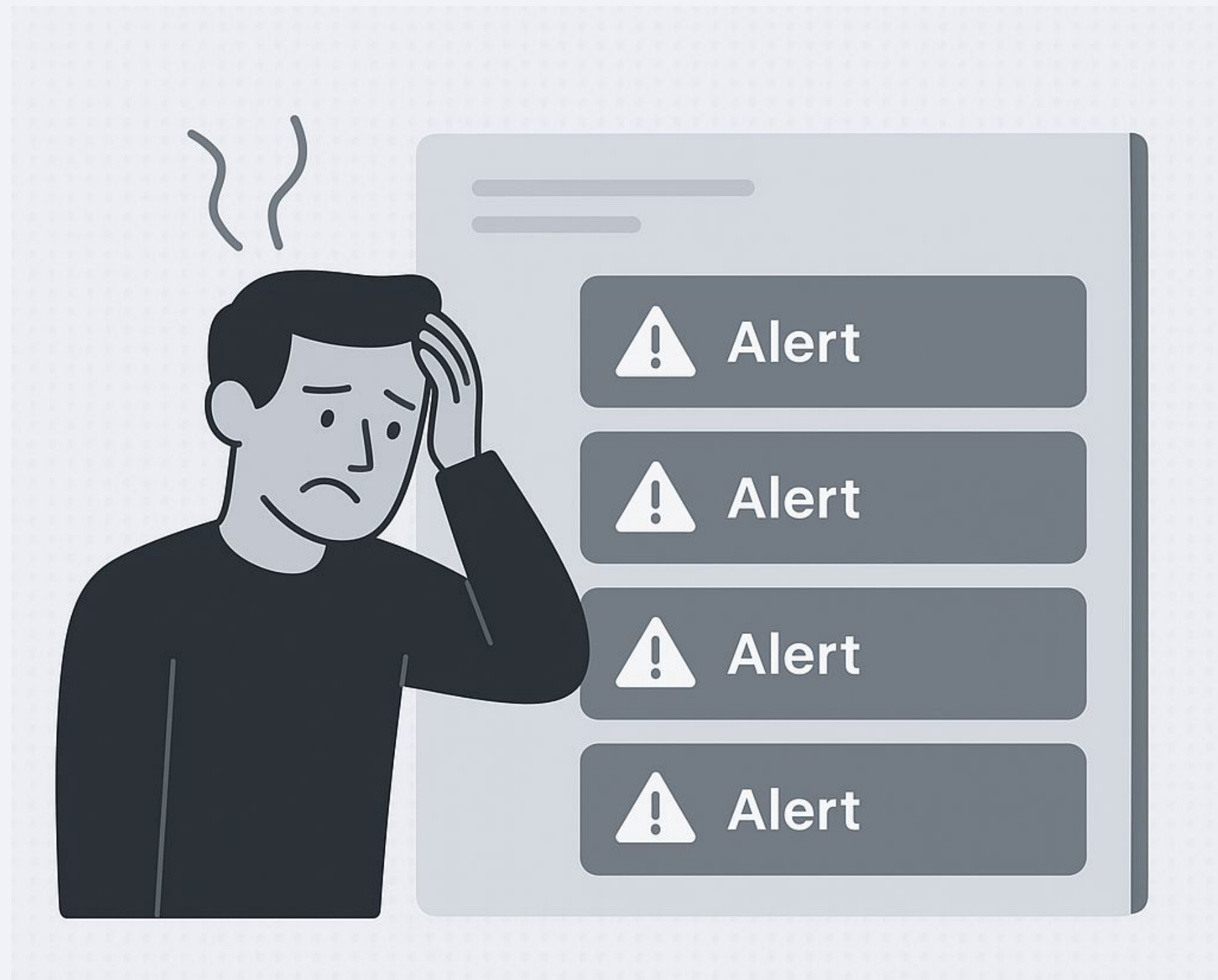
Faster time to market

Reduced cost to serve

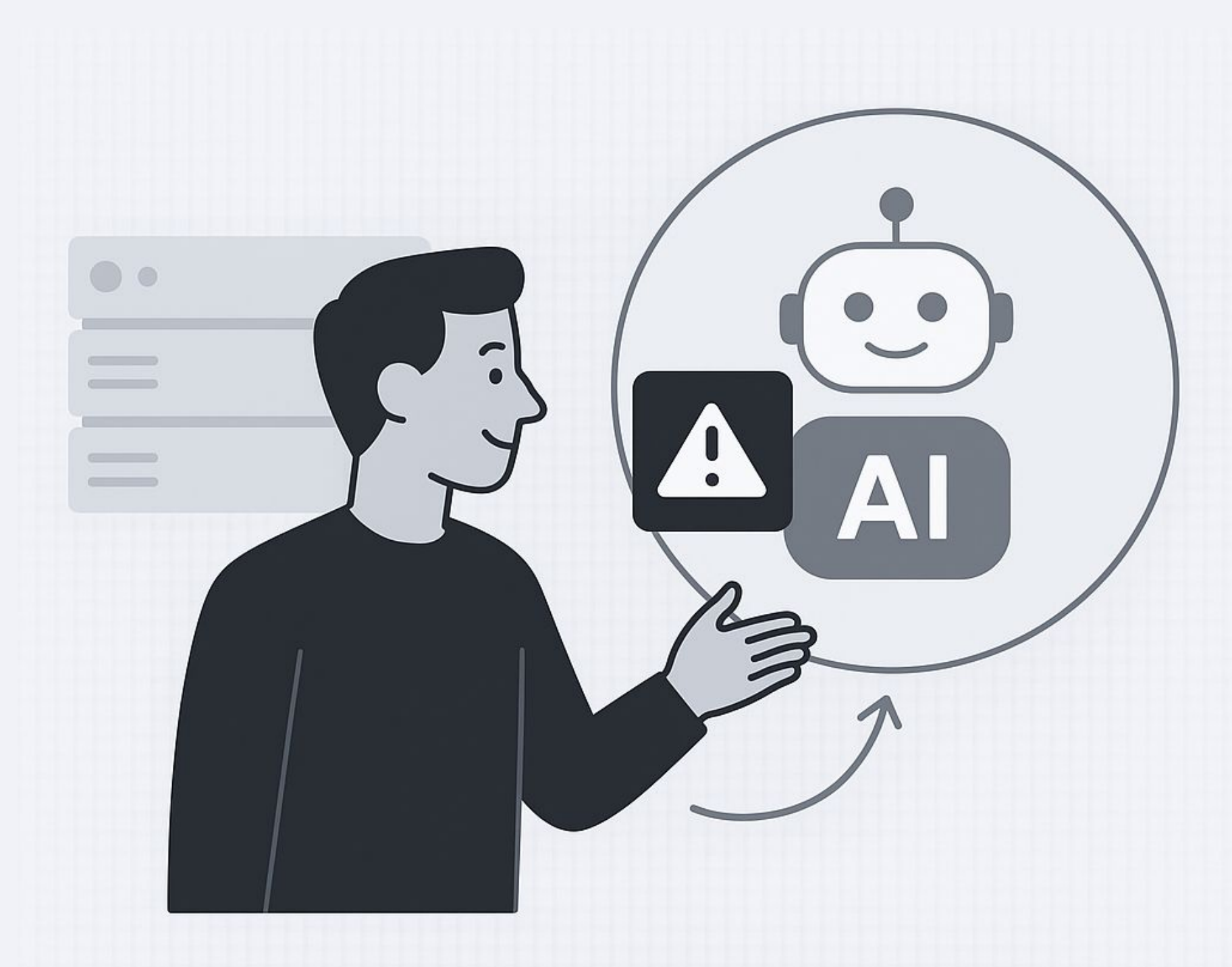
Smarter decision-making

Better customer experience

Before



After



**MCP won't replace your payment OPS team...
It'll finally give them the automation they've been asking for**

Through MCP, LLM agents become *context aware* and can execute real work, not just answer questions

Payment Method management for Platforms

Customer-service agent with payment context

Finance/treasury reconciliation and anomaly detection

Merchant <> PSP integrations



But with opportunity comes a fair share of challenges...

Early-stage technology

Security and control

Ecosystem alignment

Data privacy & compliance

Cultural shift

What can the past tell us here?

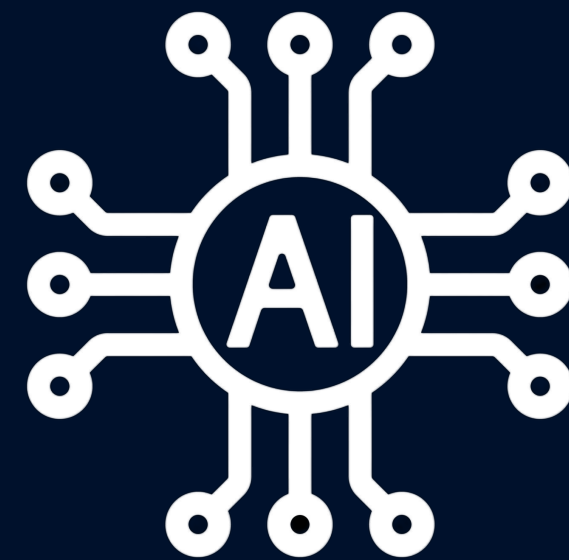


APIs made systems *talk* to each other

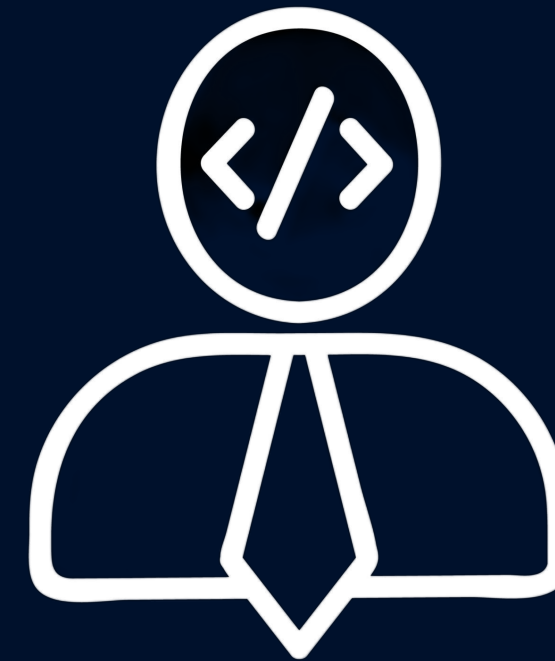
MCP will make systems *understand* each other



Get curious -
experiment early



Invest in clean,
consistent APIs



Focus on DevX



Stay close to
standards

Thank you

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