CTO Conf X · June 6, 2025

AI in SDLC: Cursor isn’t enough

From a point assistant to platform context and measurable use cases

CTO

CTO Conf X 2025

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Speaker About

Technical Director & Fellow, large fintech

- Fintech architecture and engineering practices
- AI in SDLC at scale
- Code of Leadership · @book_cube

From assistant to platform

Route Evidence arc

- Why point tools fall short
- How big tech embeds AI
- What already works inside Spirit
- Where build-or-buy splits

Part 1

01

A tool ≠ a system

Local acceleration does not redesign enterprise delivery

Assistants change coding, not the system

Copilots New baseline

- Autocomplete became a baseline expectation
- Vibe coding accelerates prototypes
- Production still needs engineering constraints
- Company context remains outside

Protocols expose context

Protocols MCP · A2A

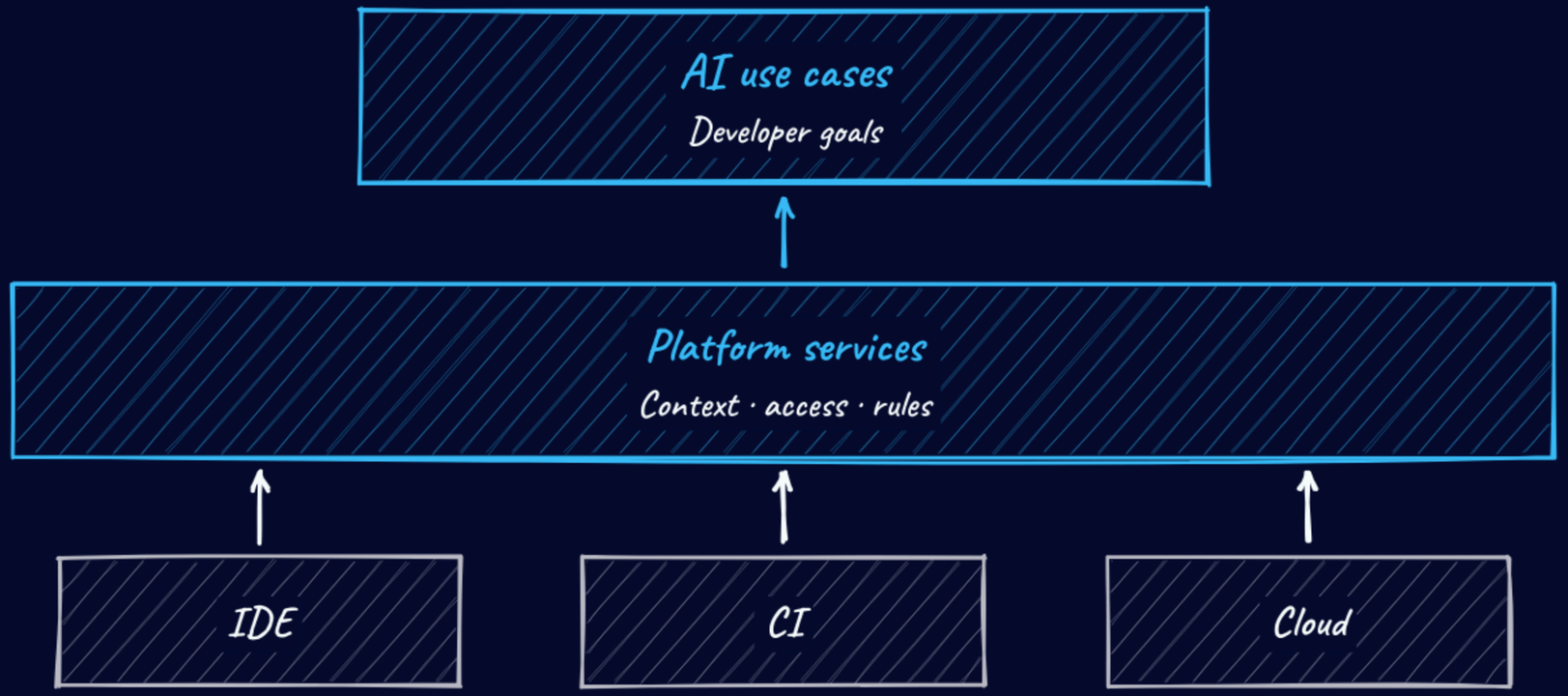
MCP

- Model Context Protocol
- Access to context
- Data and tools

A2A

- Agent2Agent
- Agent communication protocol
- Task coordination

Platforms turn tools into developer jobs



Goals come before AI

Developer Goals Google

Goal

What the engineer is completing

Hindrance

Where flow and feedback break

AI use case

Which action can be delegated

Part 2

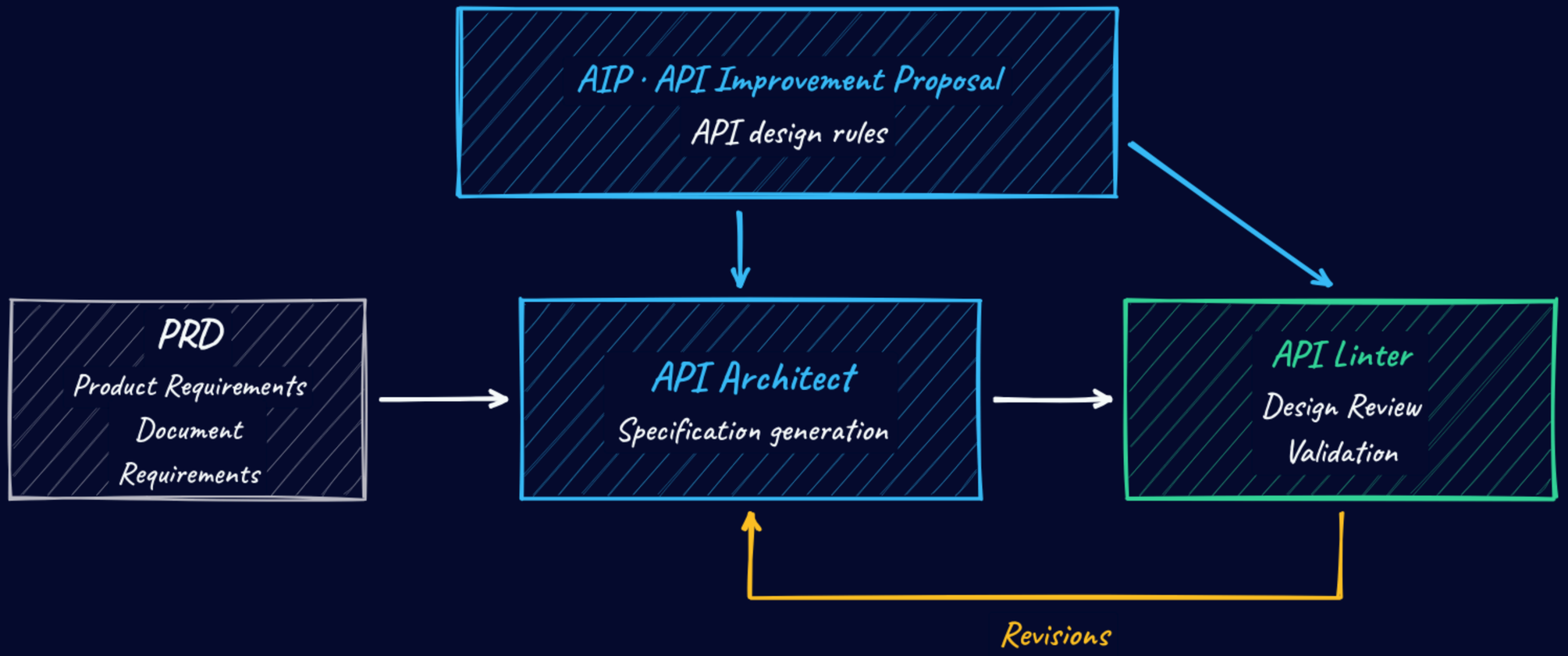
02

Five cases — one pattern

AI amplifies a formal process and accumulated context

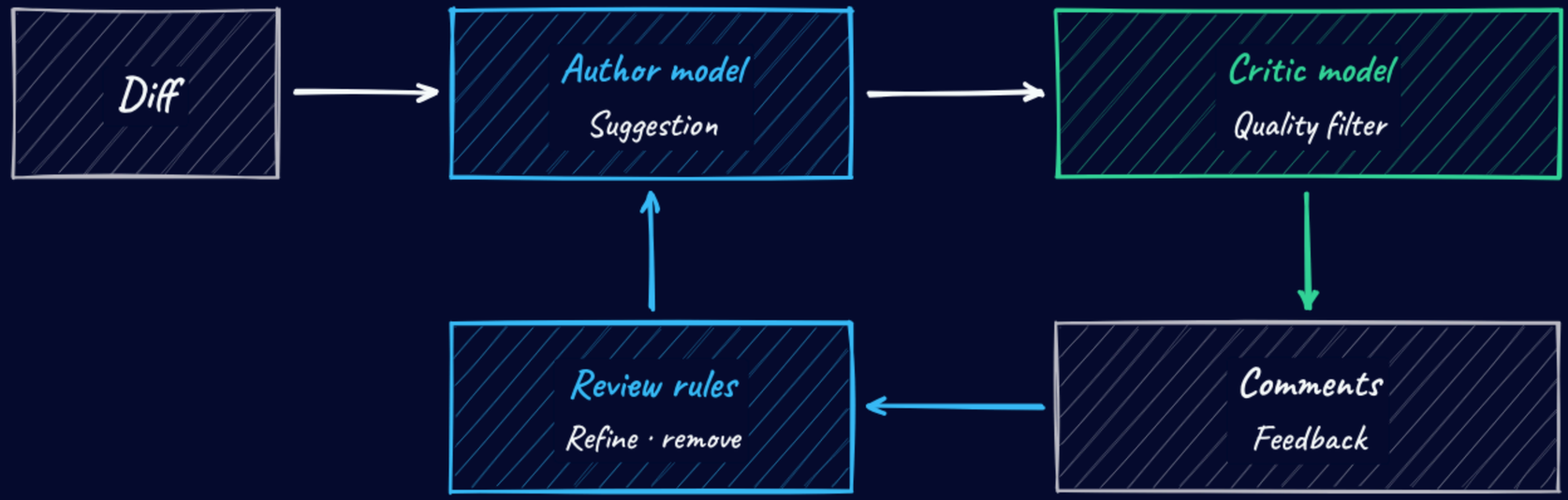
Formal rules make AI useful

Google | API governance



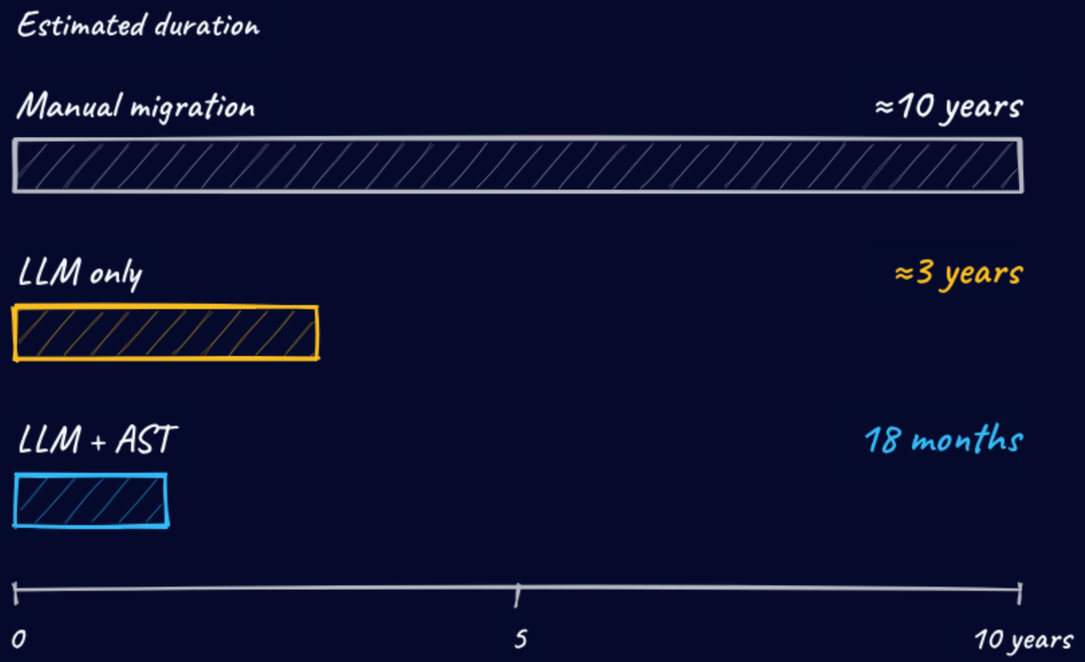
The reviewer needs a second model

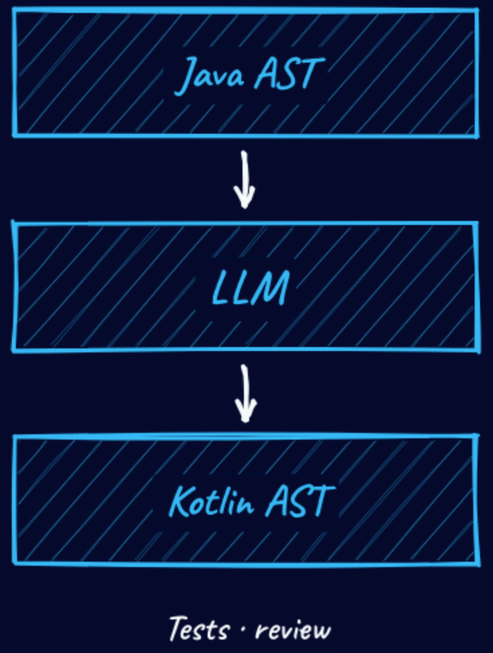
ByteDance BitsAI-CR



An LLM alone was not enough

Uber · Java → Kotlin





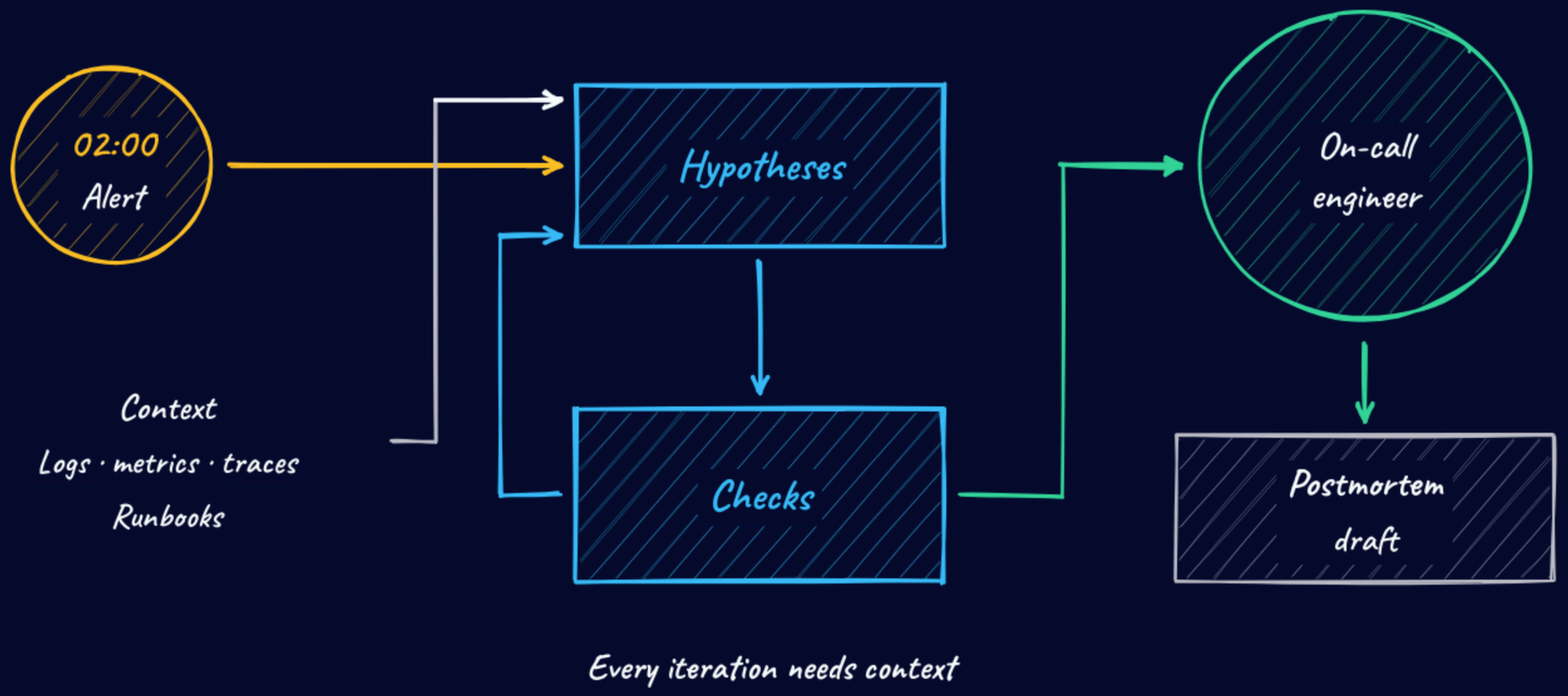
Metrics mature with adoption

Booking.com Sourcegraph





On-call agents need mature context



Part 3

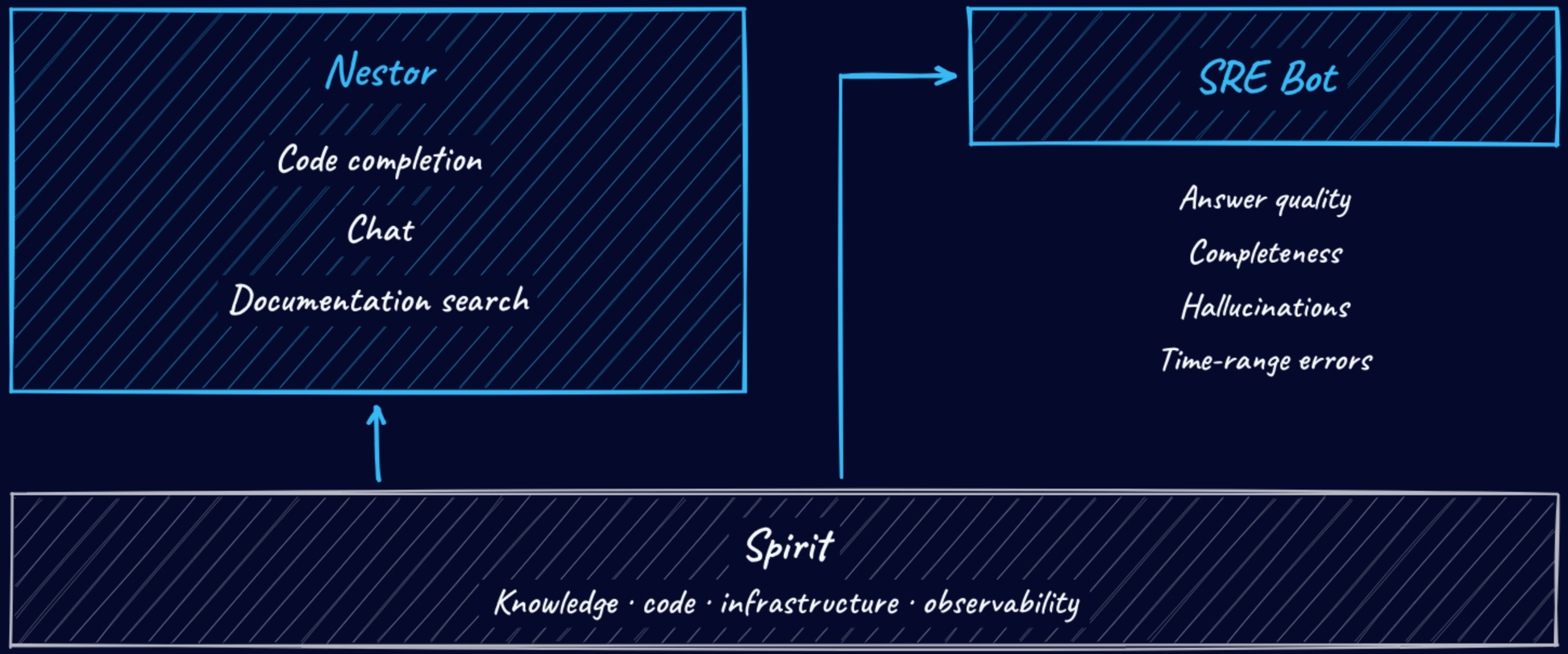
03

AI inside Spirit

Company context, professional use cases, and quality evaluation

AI embeds into the platform

T-Bank Spirit · Nestor · SRE Bot



AI is already a platform bet

Red Hat · November 2024 Survey

Respondent shares in State of Platform Engineering in the Age of AI

Core strategy

45%

Central component

Important

34%

Important, not central

Already using

83%

GenAI in dev stack

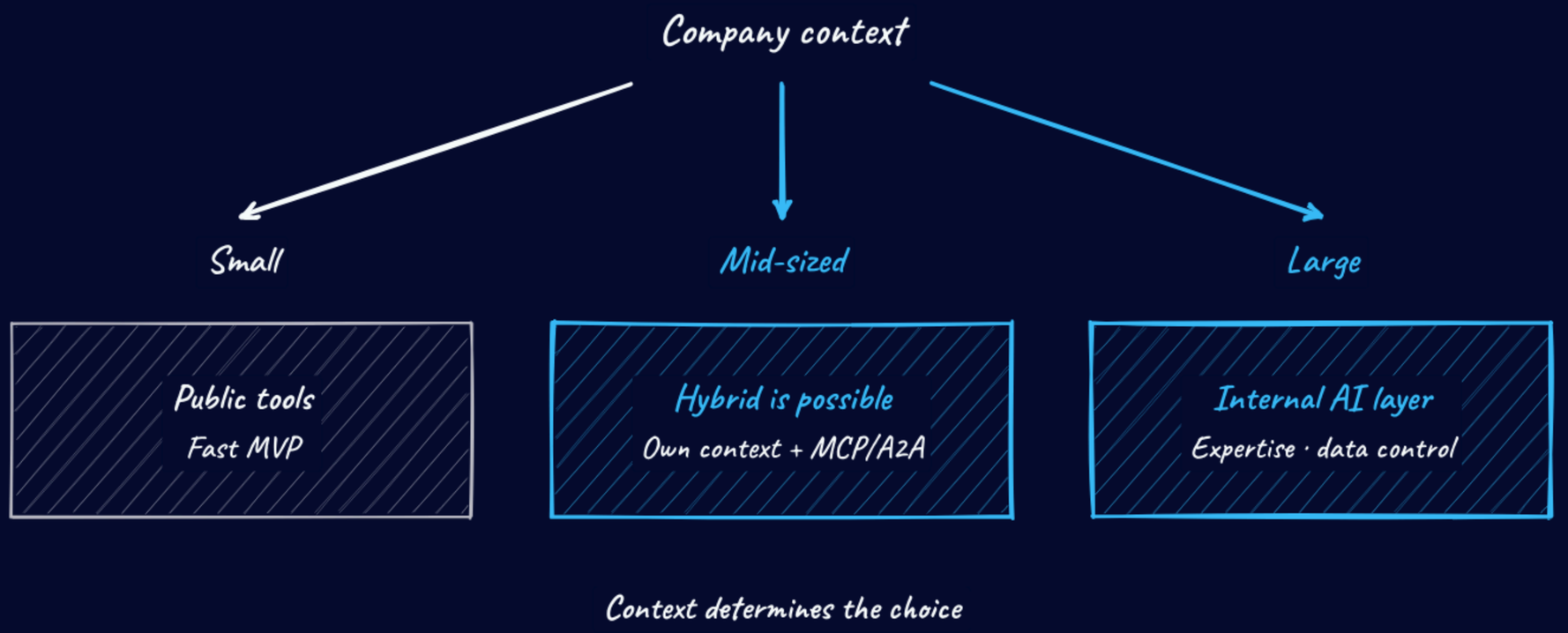
Part 4

04

Scale changes the answer

Buy, build, or connect public models to company context

Company size changes the answer



Context determines the choice

Cursor is only the first step

- Rules and context precede models
- Platforms connect AI to real work
- Use-case metrics test the effect
- Build-or-buy depends on scale

- AI amplifies the engineering system already in place

What to read after the talk

Reading Resources

- Google — Measuring Developer Goals
- Google — API Governance at Scale
- ByteDance — BitsAI-CR
- Red Hat — Platform Engineering and AI

polomodov.tech

Thank you!

All slides and links are in the Telegram channel

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