March 11, 2026

From Classic PDLC to AI-Native Development

How the engineering process changes when AI becomes part of the production loop

What This Talk Is About

Transition strategy

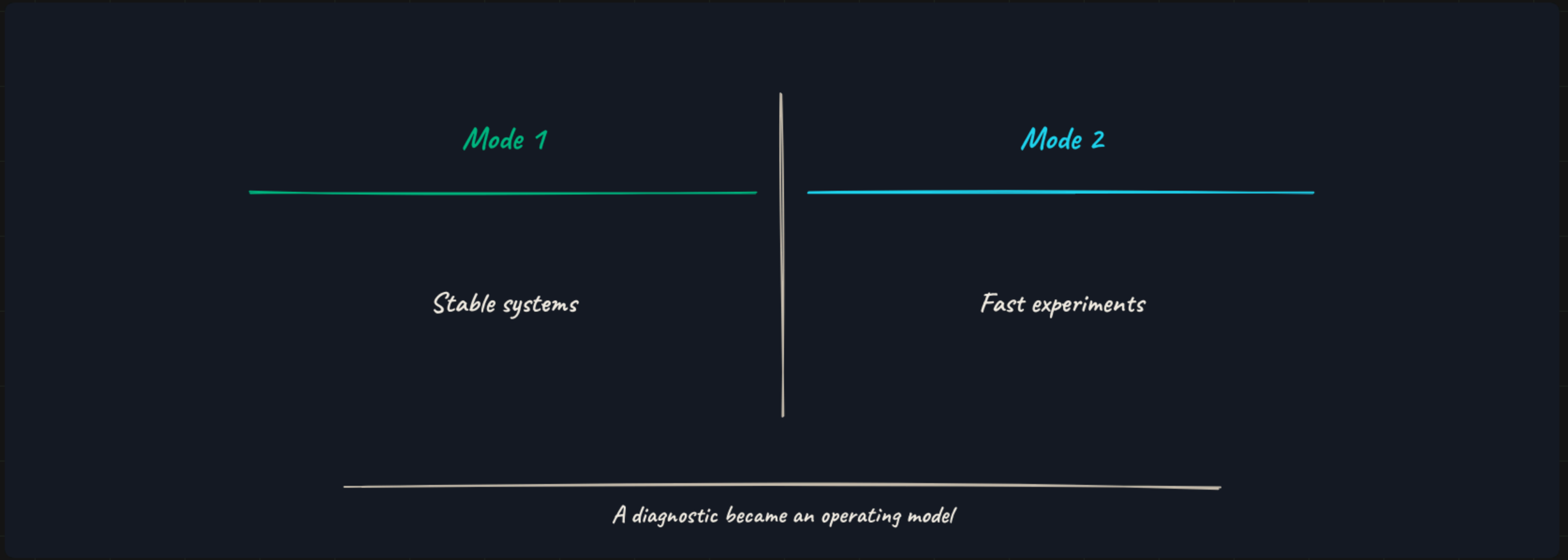
- Part 1: Bimodal IT failure.
- Part 2: SE 1.0 vs 2.0.
- Part 3: DORA, Google, Meta, AWS.
- Parts 4–5: limits and practices.

Part 1

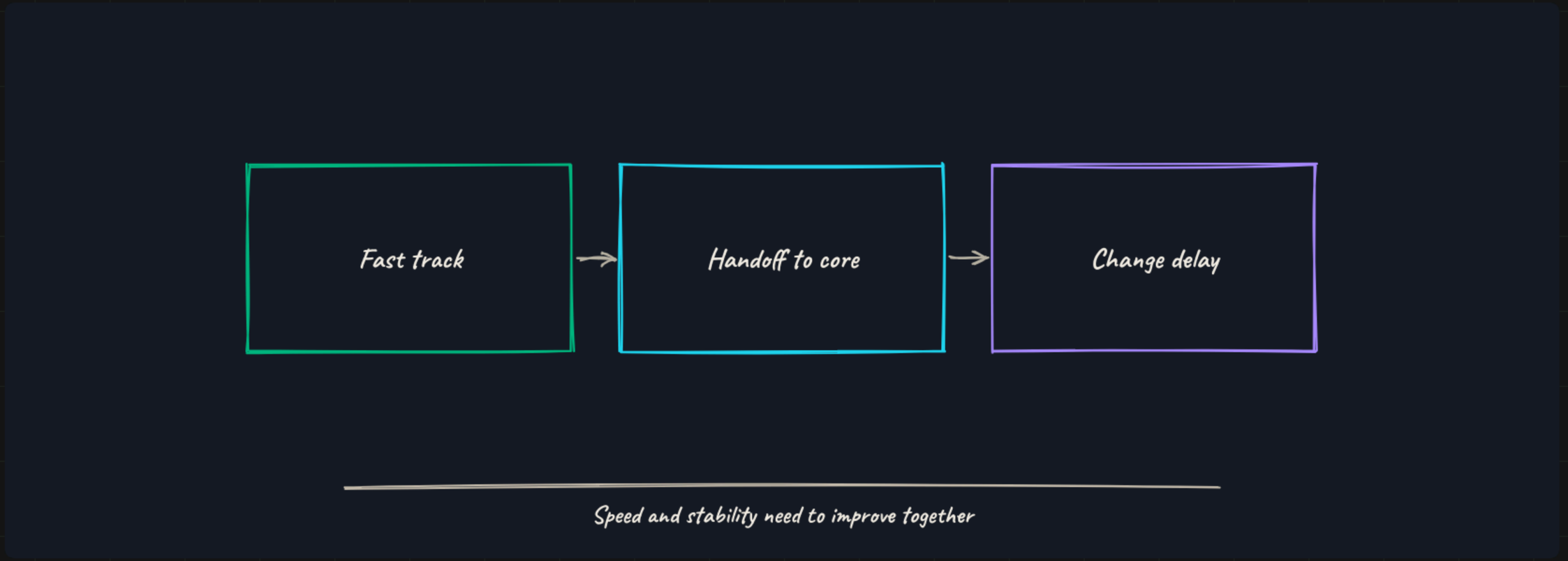
01

Historical Analogy: Bimodal IT

Bimodal IT: Two Gartner Modes



Where Bimodal IT Broke in Practice



Part 2

02

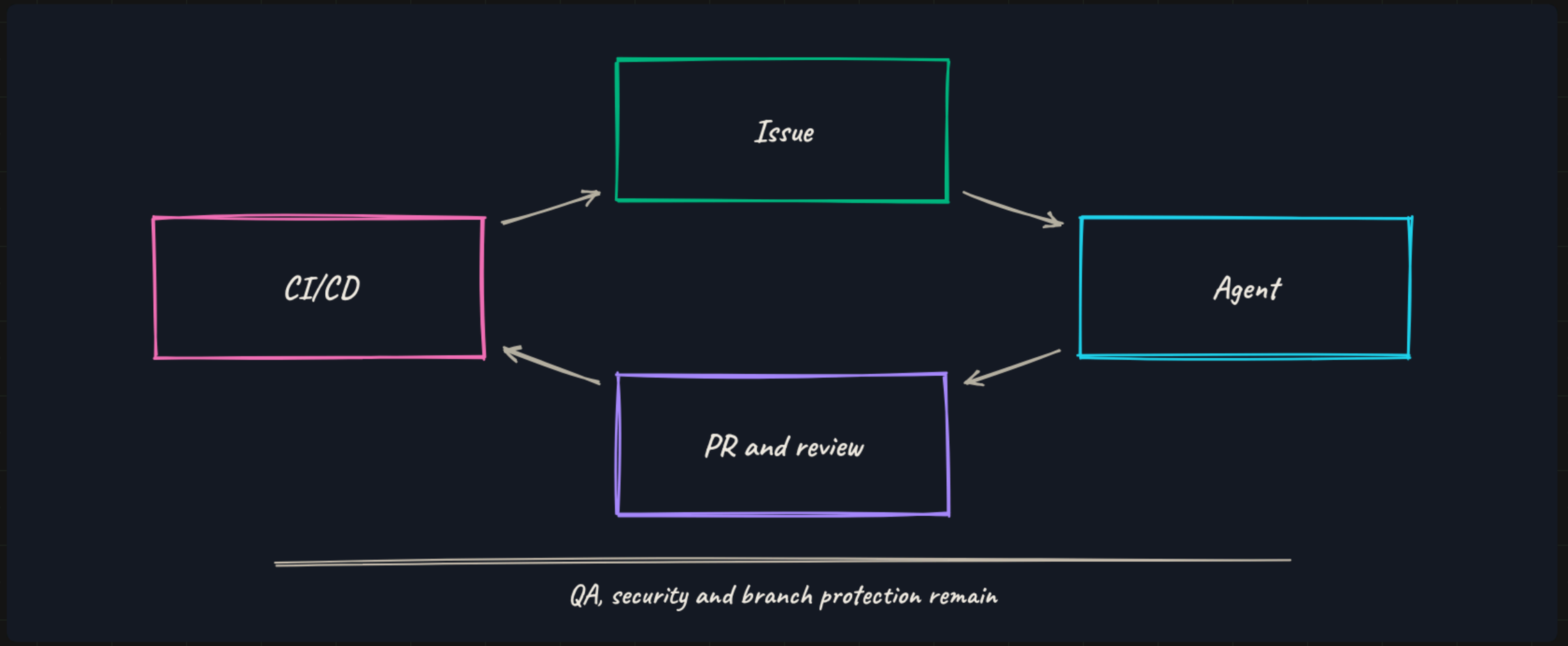
SE 1.0 ⇔ SE 2.0

Software Engineering 1.0



Control lives in artifacts; context moves between roles

Software Engineering 2.0



SE 1.0 vs SE 2.0

SE 1.0	SE 2.0
Separated roles	Agent loop
Control points	Short feedback

Part 3

03

Industry Signals 2024–2026

DORA: Local Productivity ≠ Systemic Acceleration

DORA 2024

AI sped up IDE, not delivery
Throughput ↓

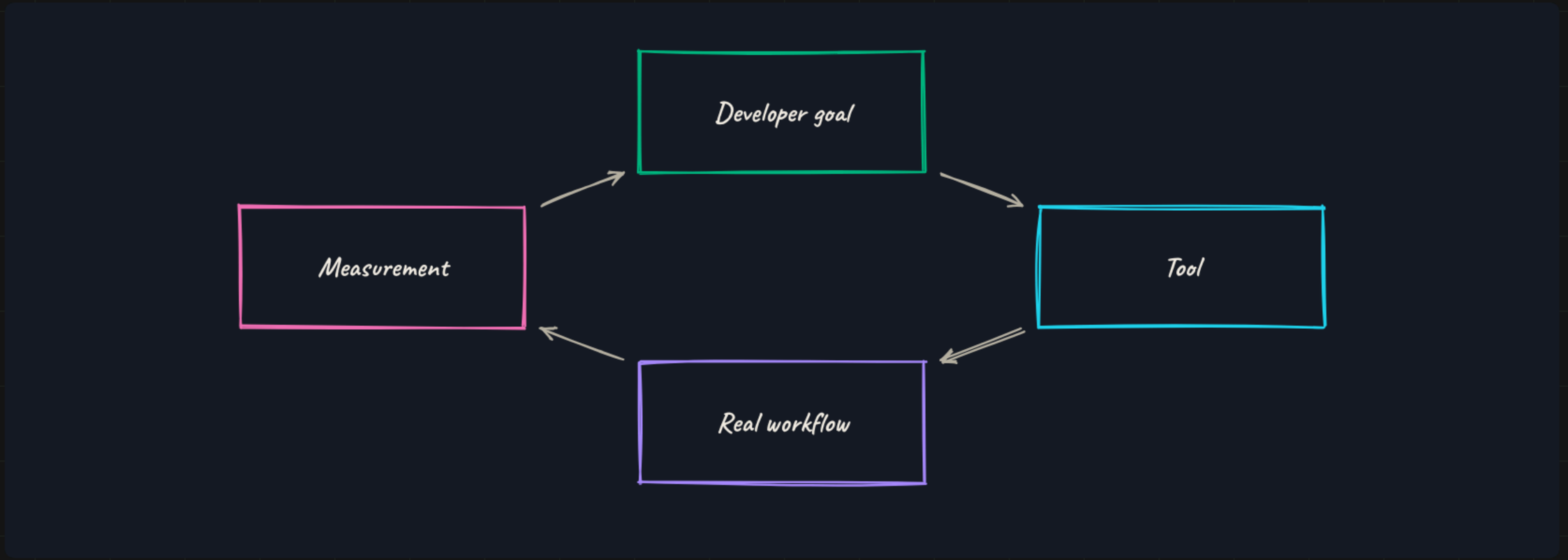
DORA 2025

Correlation turned positive
ROI comes from platform quality

Local speed does not prove system-wide improvement

Google: AI as an Engineering Product

Part 3 · Google BigTech

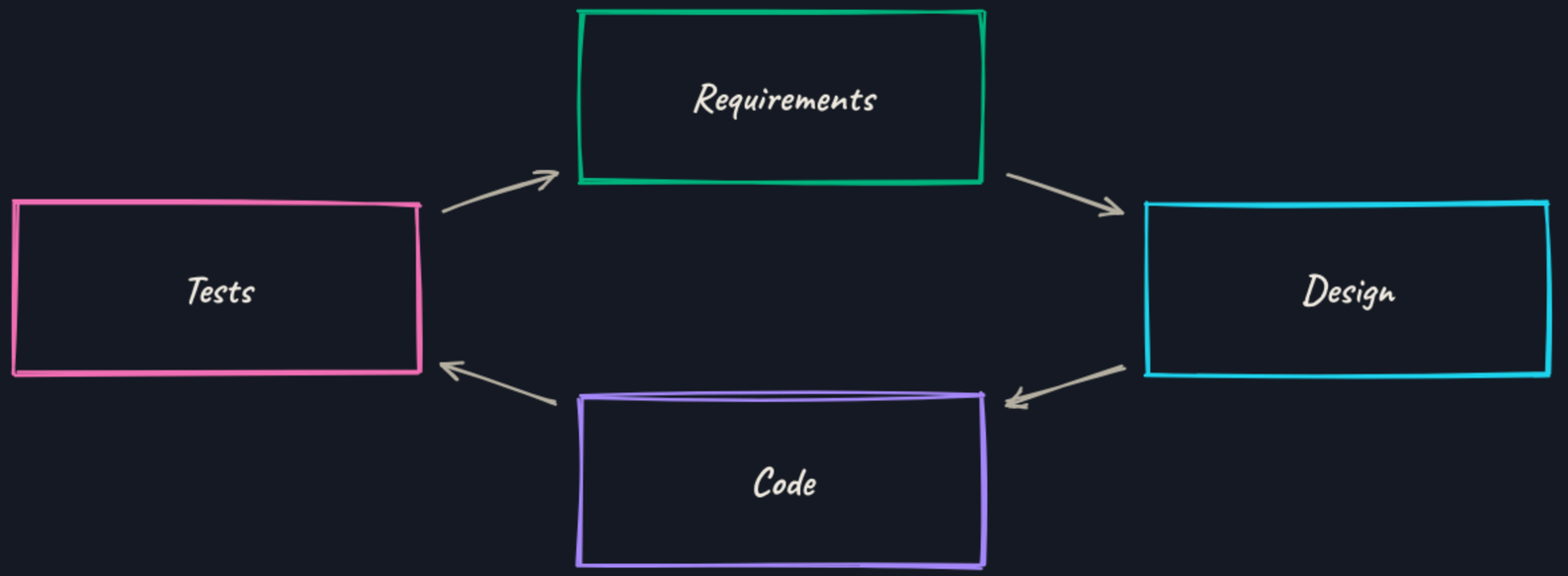


Meta: Just-in-Time Tests



Meta: 22,126 generated JIT tests

AWS: AI-Driven Development Life Cycle

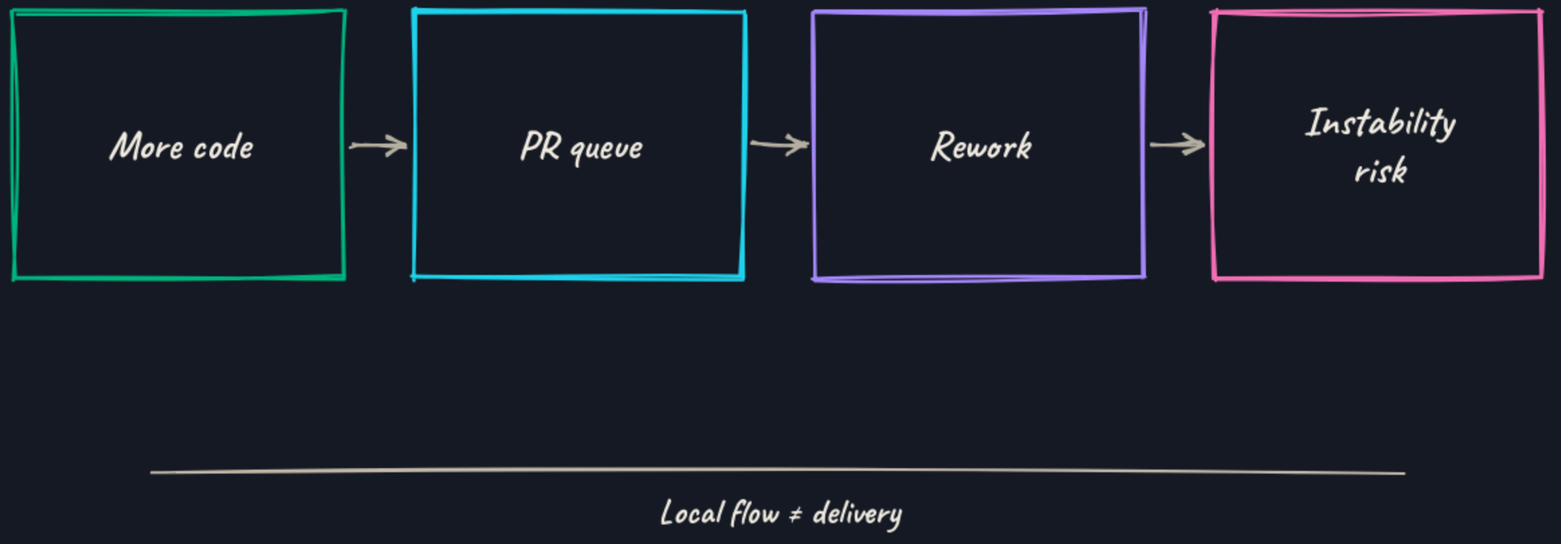


Part 4

04

SE 2.0:
No Free Acceleration

SE 2.0 ≠ Free Acceleration



Load-Bearing Elements of SE 2.0



Part 5

05

Strategy for a Large Company

SE 1.0 ⇔ SE 2.0 Exchange

SE 1.0 → SE 2.0

Security policies
Versions and audit

SE 2.0 → SE 1.0

E2E scenarios
JIT tests and feedback

Three Transition Principles



Key Takeaways

What to take away

- AI changes speed and work organization.
- SE 2.0 is a capabilities factory.
- AI-native rebuilds creation, verification, delivery.
- A unified engineering approach is required.

- ↗ tellmeabout.tech

References and Materials

Key sources

- Gartner, McKinsey, NIST SDLC.
- DORA 2024/2025, AI Capabilities.
- Google AI, Meta JIT, AWS DLC.
- Copilot, Amazon Q, AutoGen, SSDF.

From PDLC to AI-Native

Thank You!

For more materials on this topic, visit the ”Book Cube” channel — all links are collected there

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