State of AI in Software Development

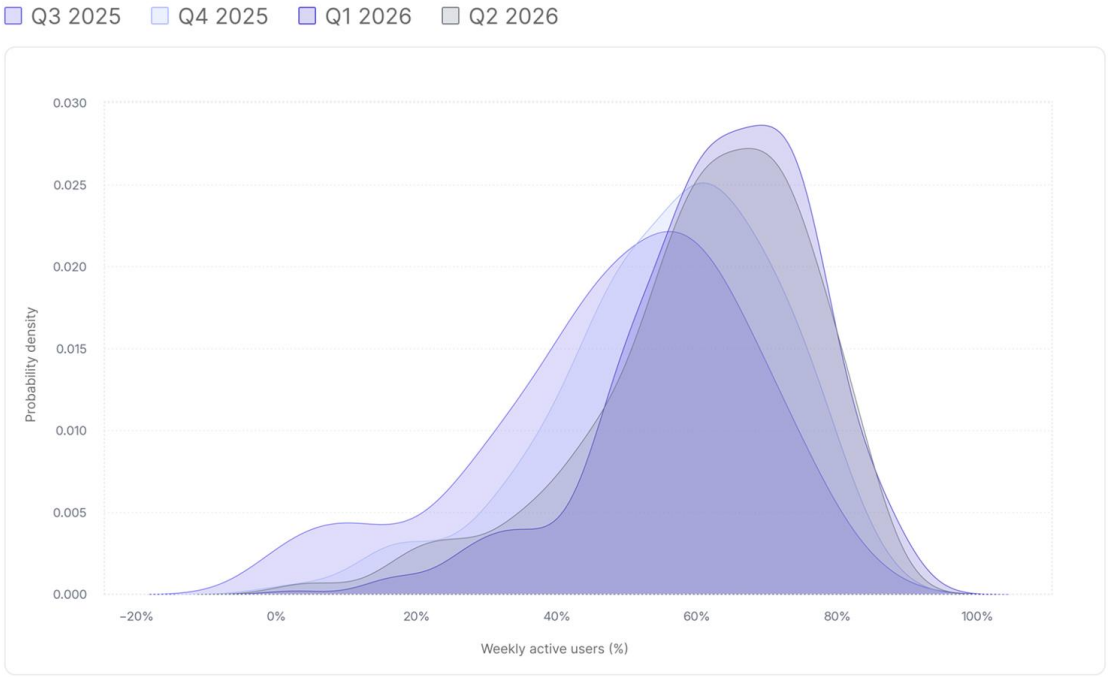
Insights across 500+ organizations

Current impact of AI

AI adoption swells to over 95%

Density of percentage of weekly active users

Sample from 400+ organizations



Regular AI users save over 6 hours/week

Median time saved from coding AI assistants

Sample from 400+ organizations

50%+ of merged code is AI-authored

Distribution of average percent of AI-authored code

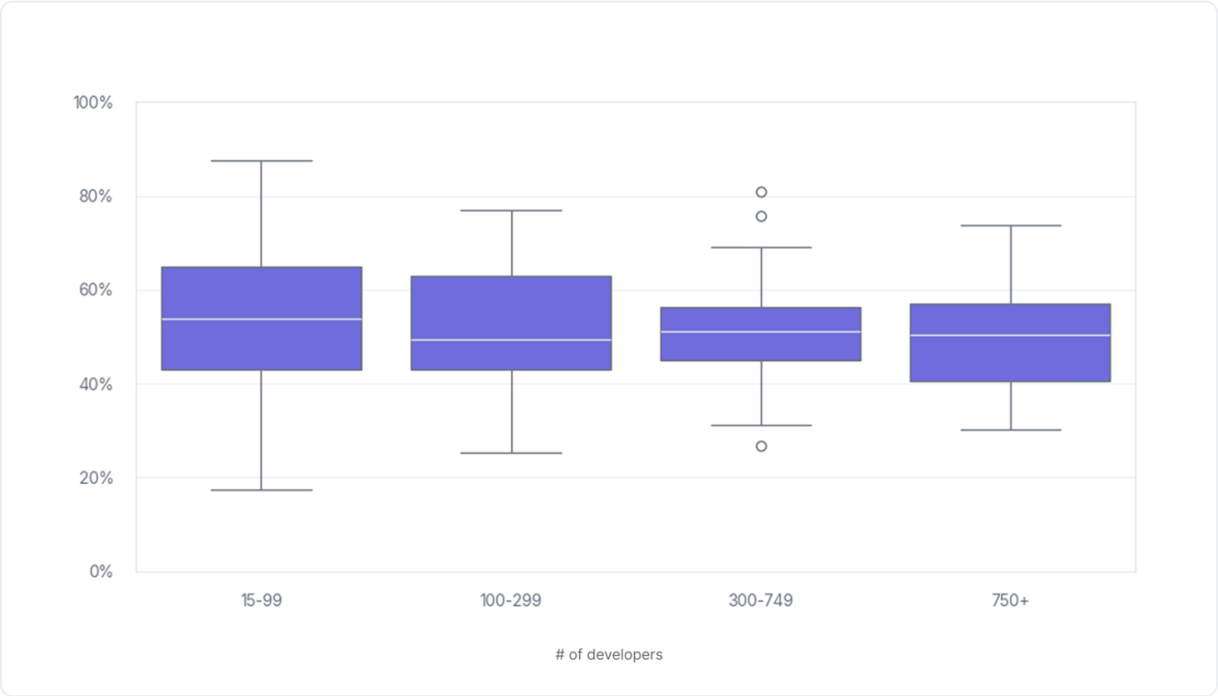
Sample from 400+ organizations

DX

50%+ of merged code is AI-authored

Distribution of average percent of AI-authored code by organization size

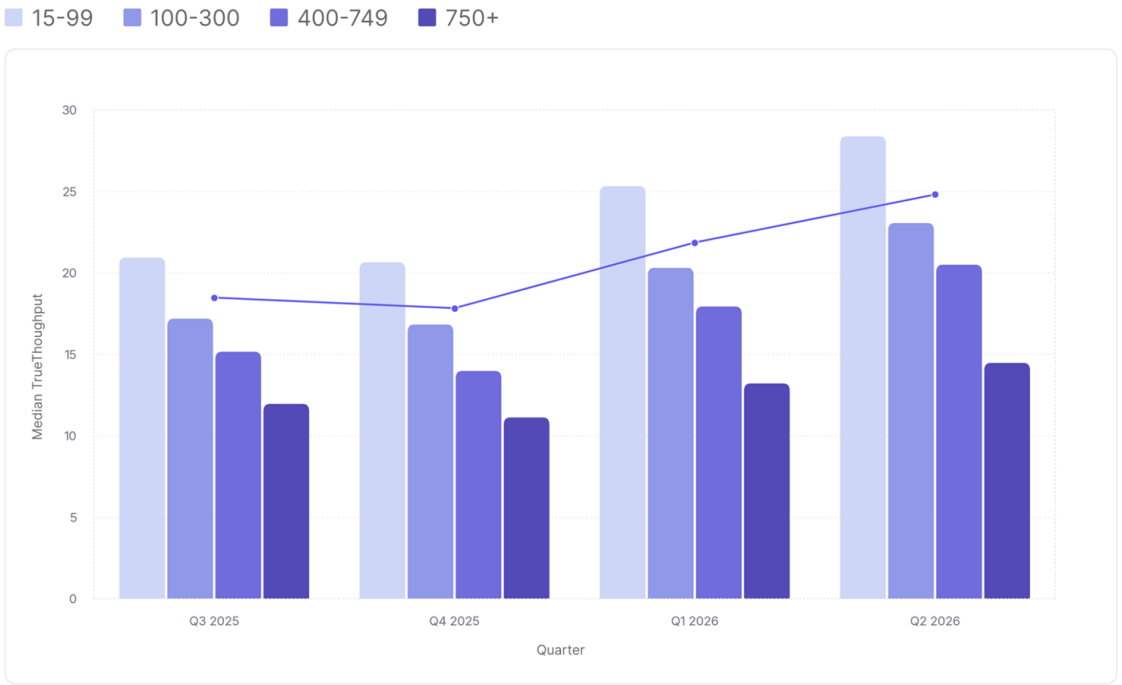
Sample from over 400+ companies from April 2026 to June 2026



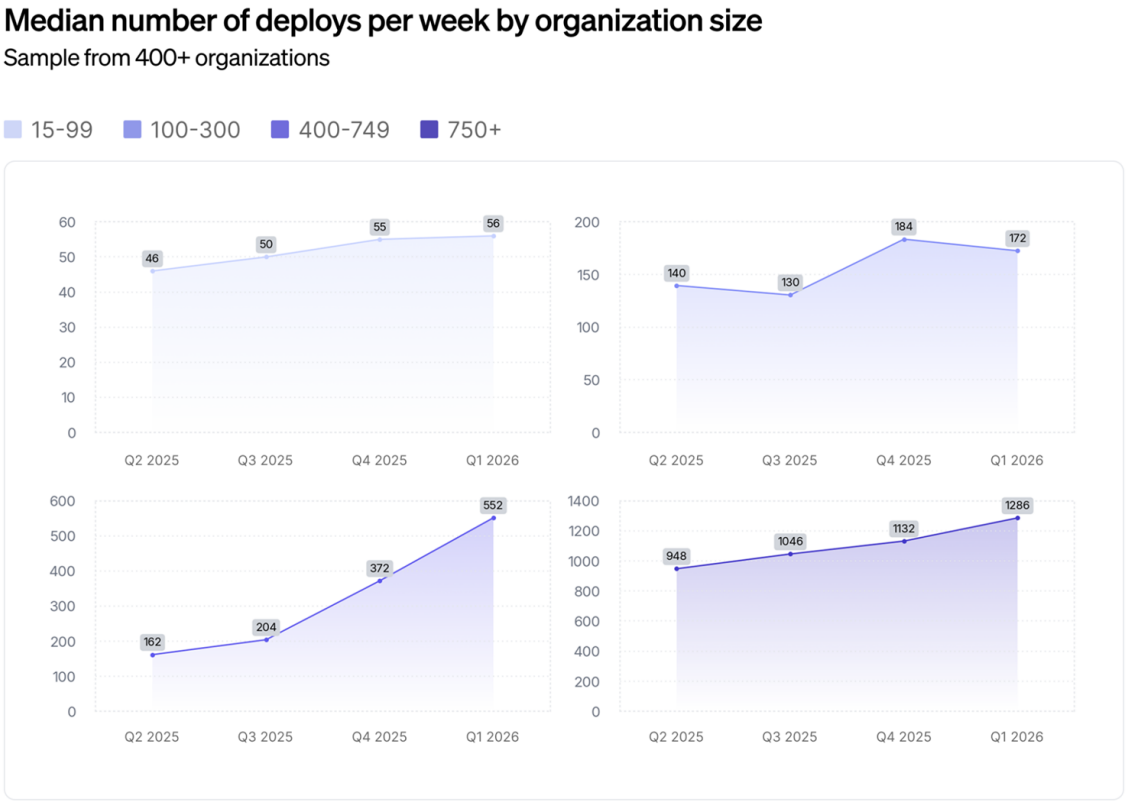
Throughput is steadily increasing

Median quarterly TrueThroughput by engineering organization size

Sample from 400+ organizations



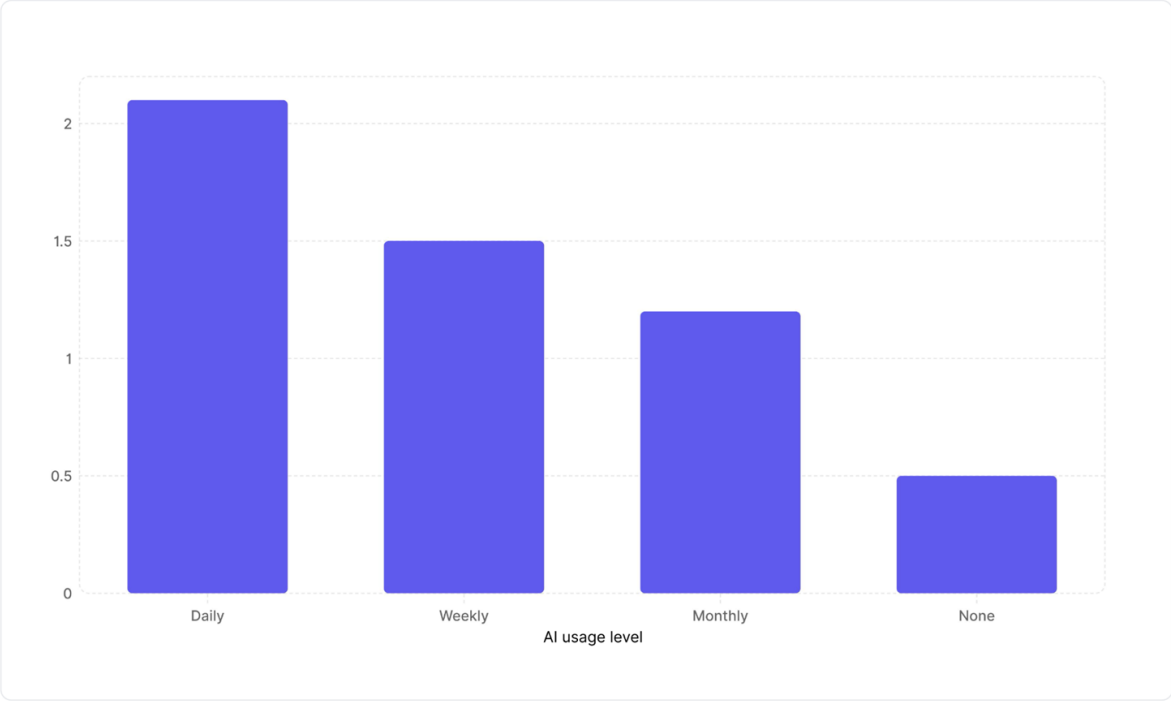
Deployment frequency is increasing as well



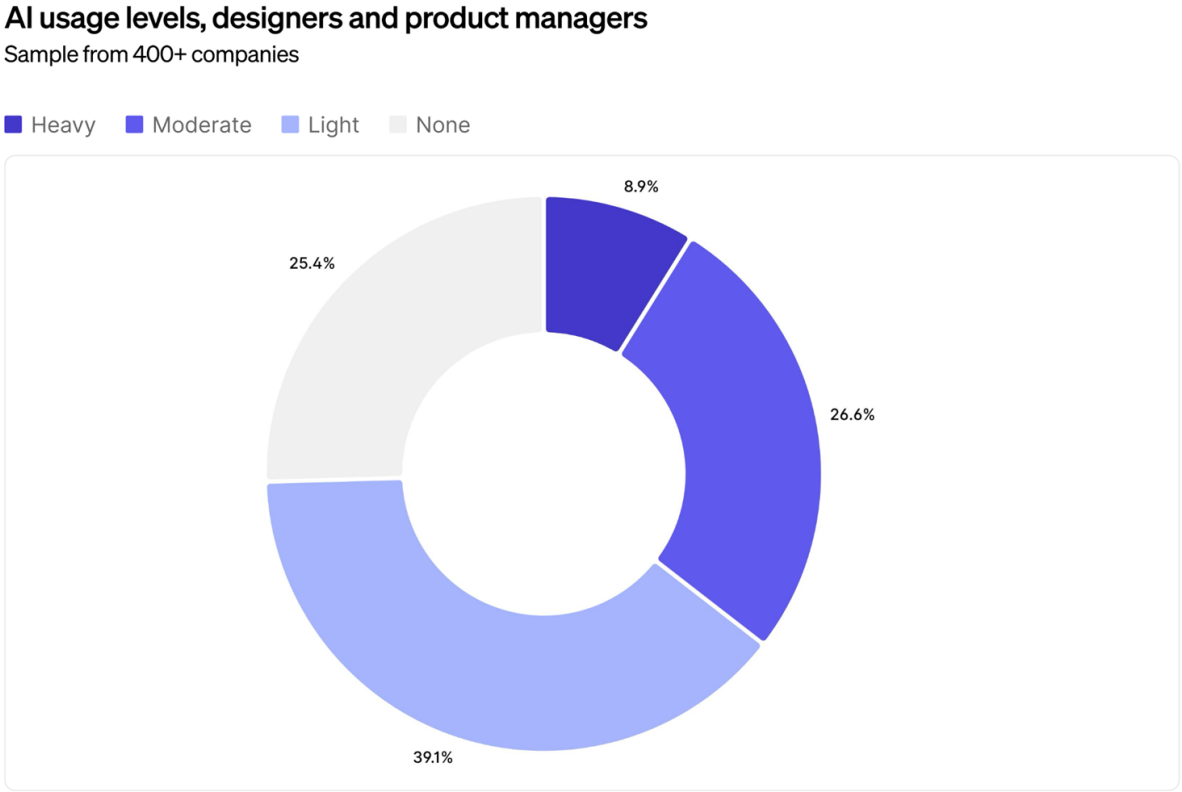
Engineering managers are shipping 4x more code

Weekly merge frequency by AI usage level

Sample from 400+ companies



75% of designers and PMs also use AI code assistants

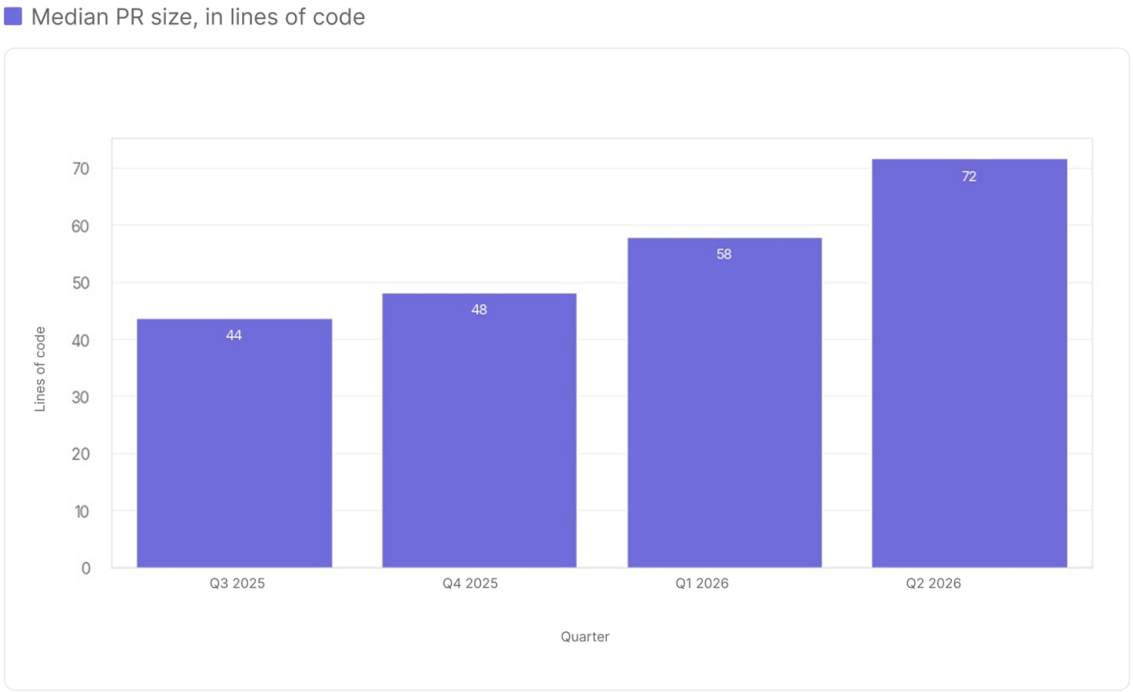


Quality indicators

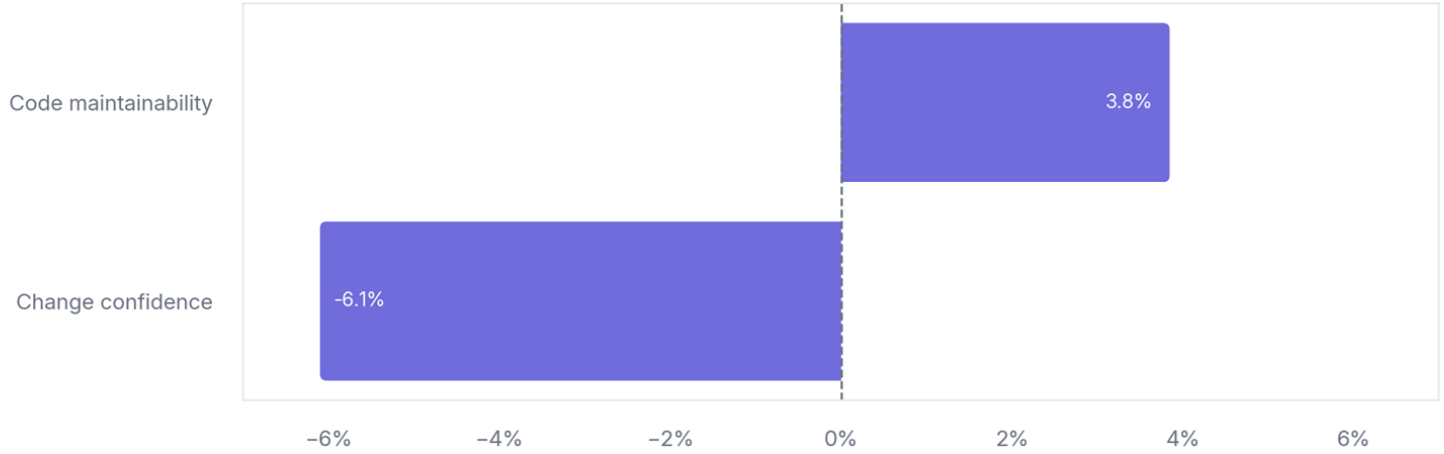
PR size is increasing as well

Median PR size over time

Sample from over 400+ companies from July 2025 to June 2026

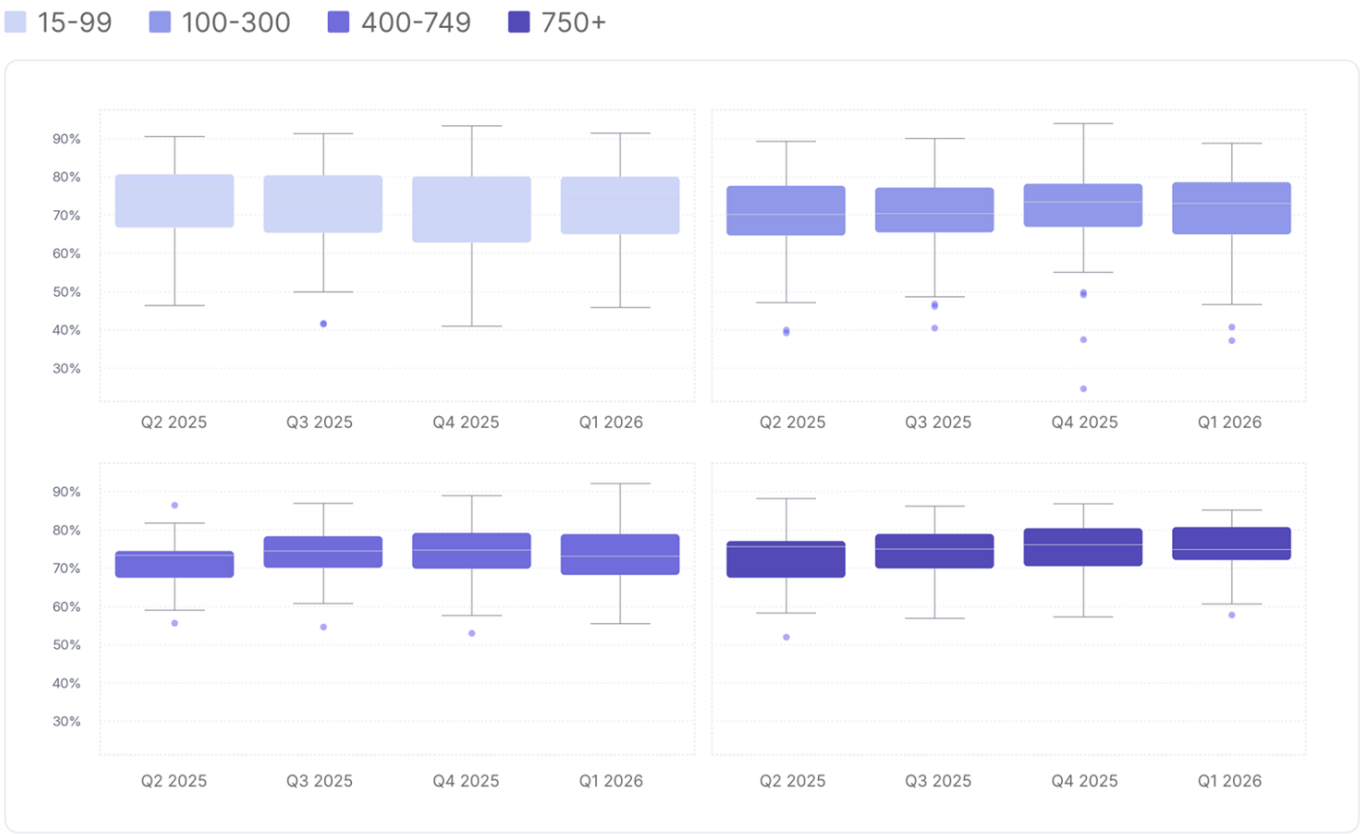


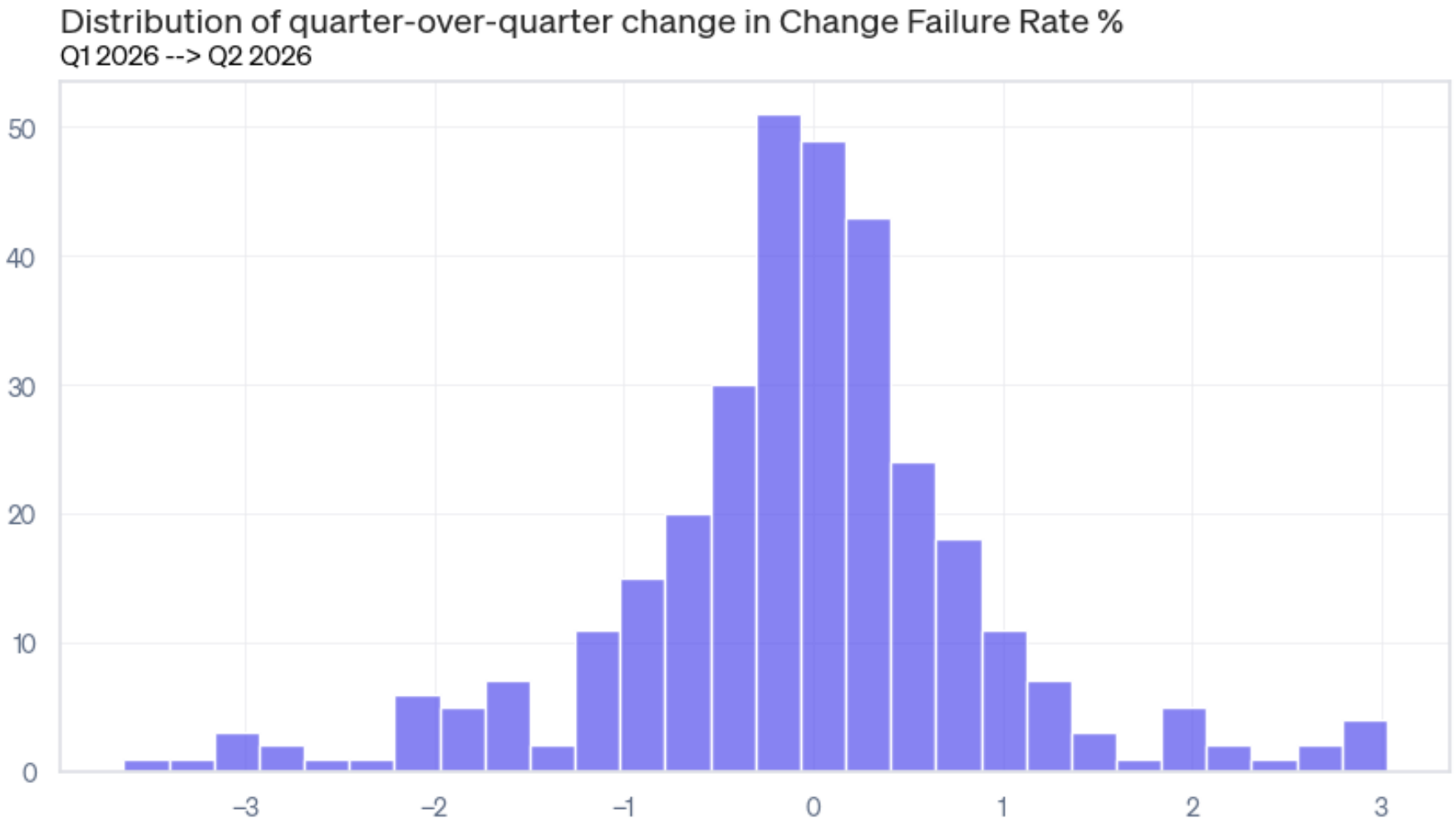
Code maintainability and change confidence in tension



Distribution of perceived high software quality by organization size

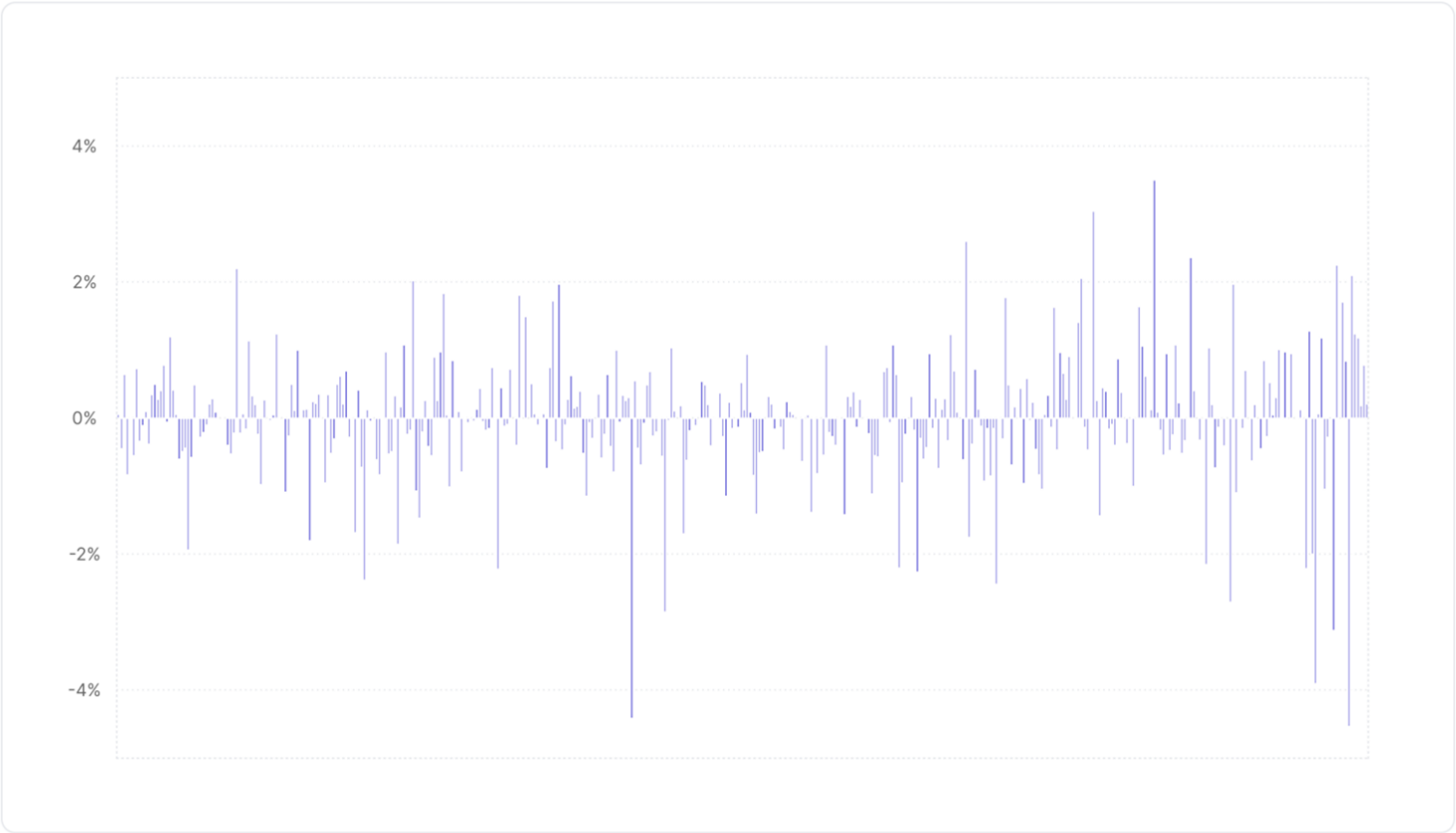
Sample from over 400+ companies




Distribution of quarter-over-quarter change in Change Failure Rate %
Q1 2026 --> Q2 2026
50
40
30
20
10
0
−3
−2
−1
0
1
2
3

Percent change in Change Failure Rate %

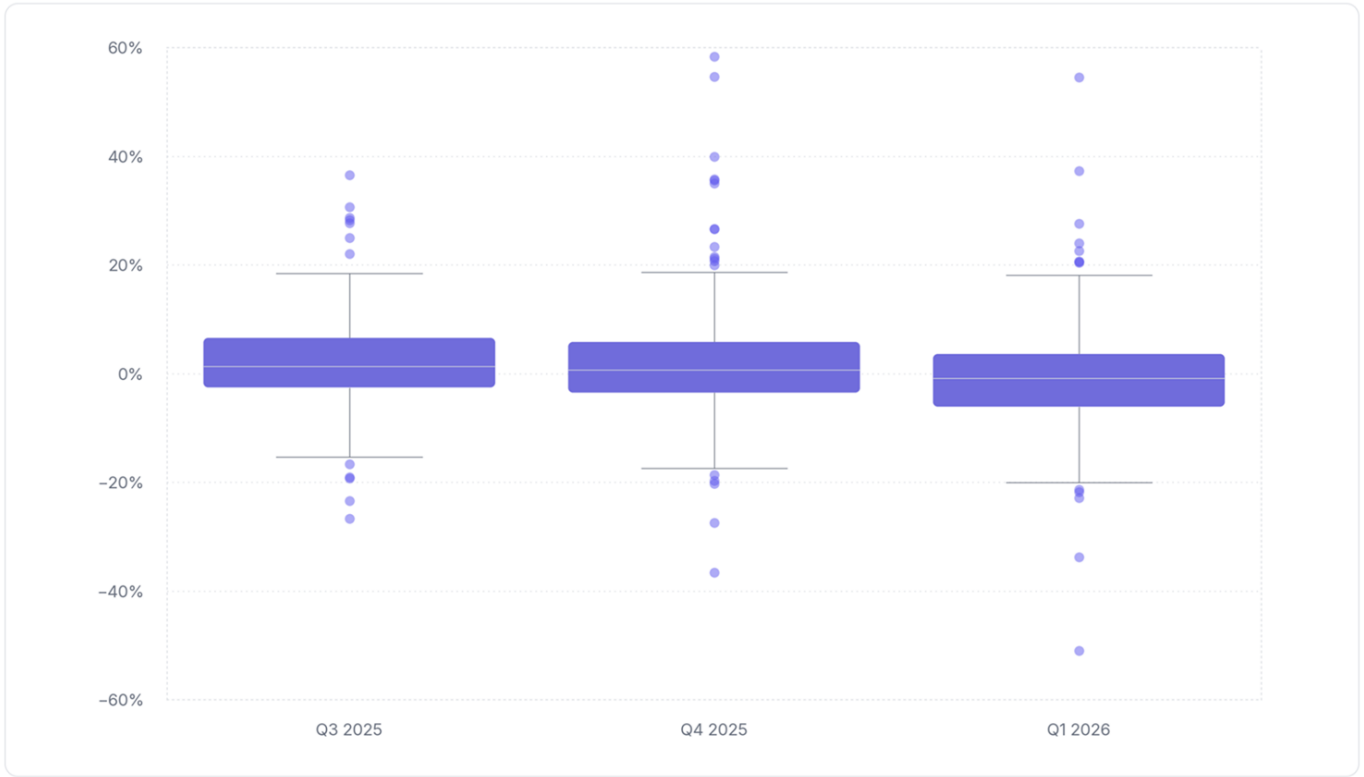
Sample from over 400+ companies from Q1 2026 to Q2 2026



DXI impact

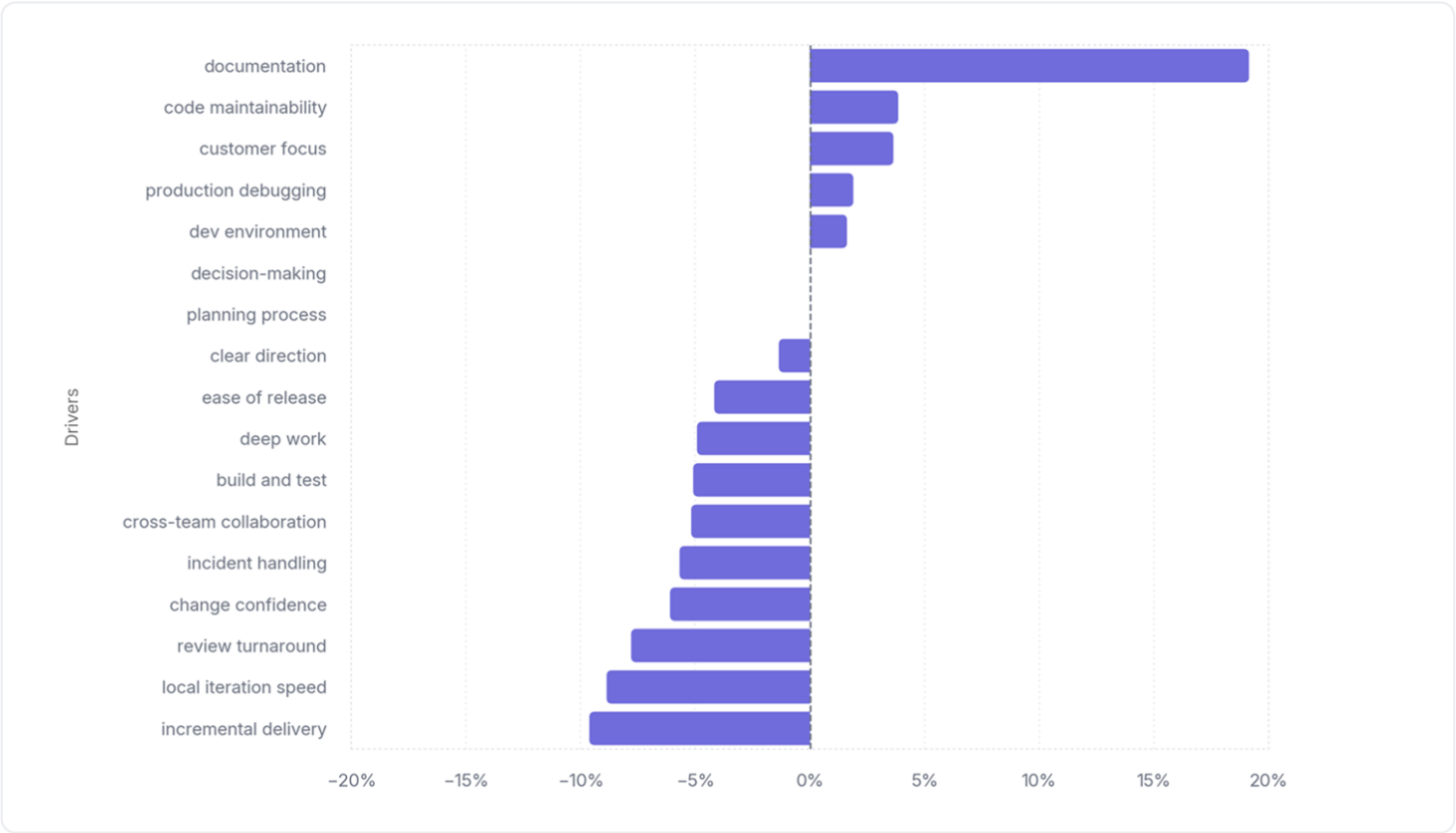
Quarter-over-quarter percent change in DXI

Sample from over 400+ companies



Percent change in DXI driver

Sample from over 400+ companies from Q3 2025 to Q2 2026

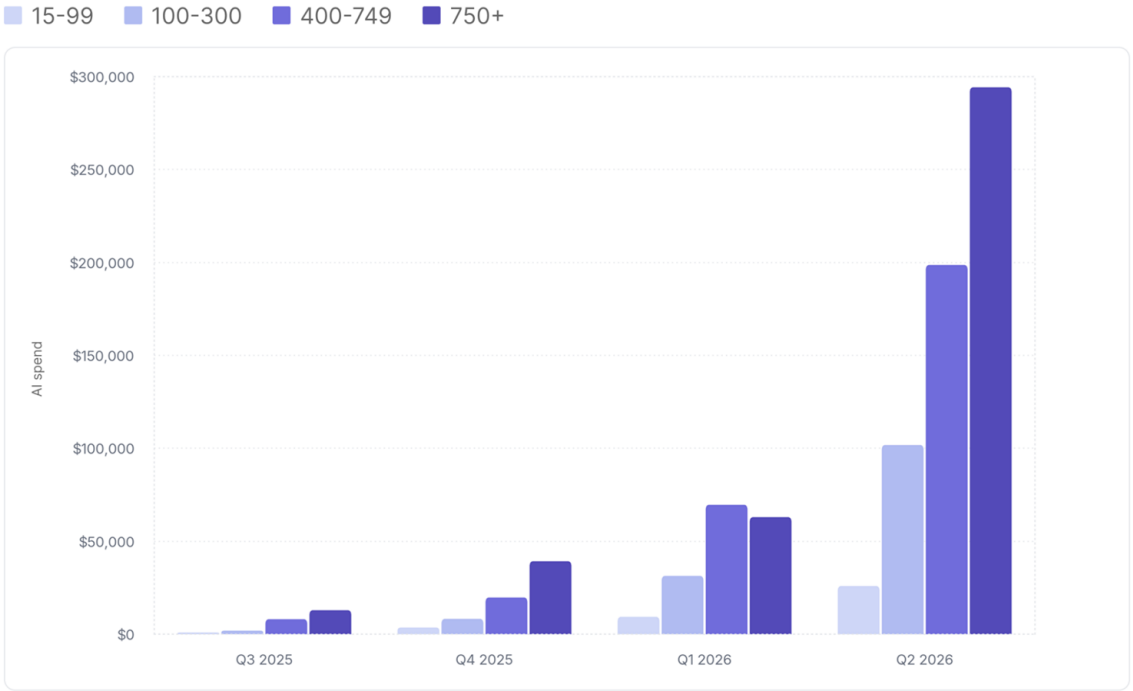


Costs and outcomes

Spend is increasing rapidly

Median quarterly organizational AI spend by organization size

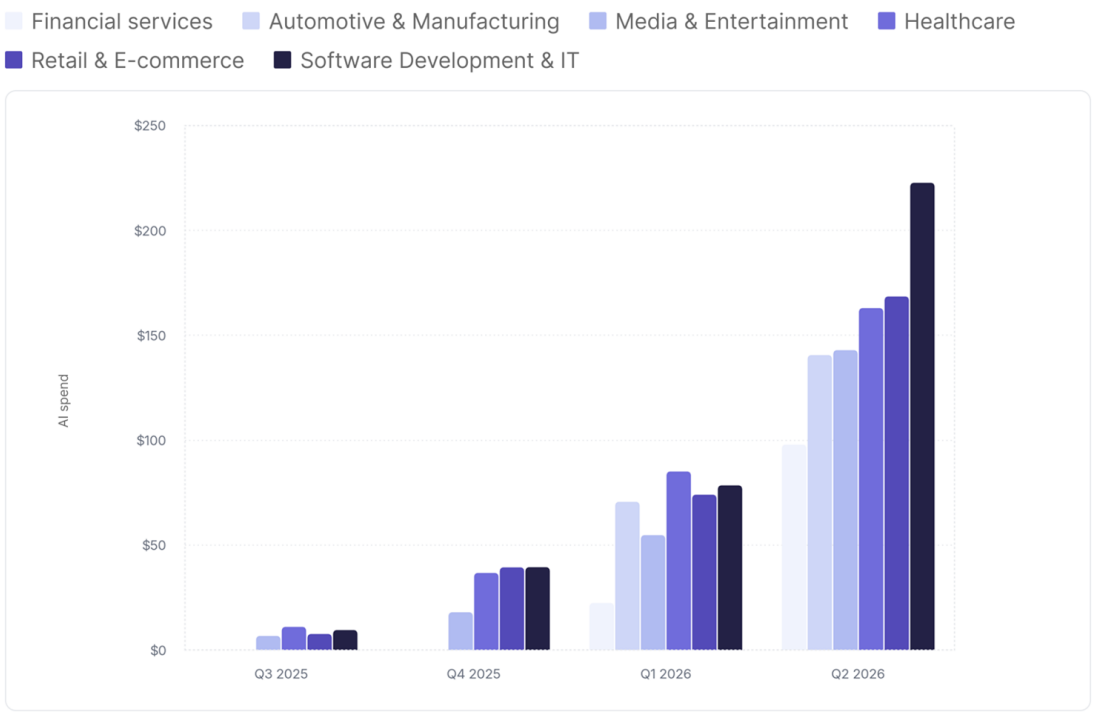
Sample from over 400+ companies



Spend is increasing rapidly

Median AI spend per user by industry

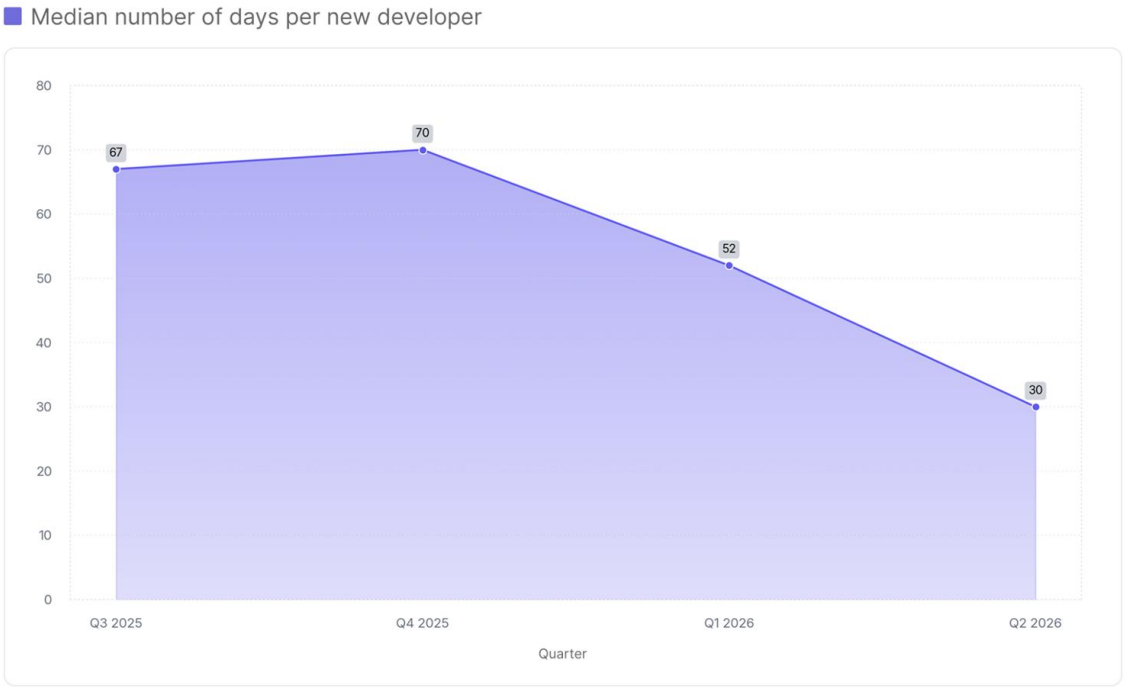
Sample from over 400+ companies



Significant impact on dev ramp-up

Median time to 10th merged PR

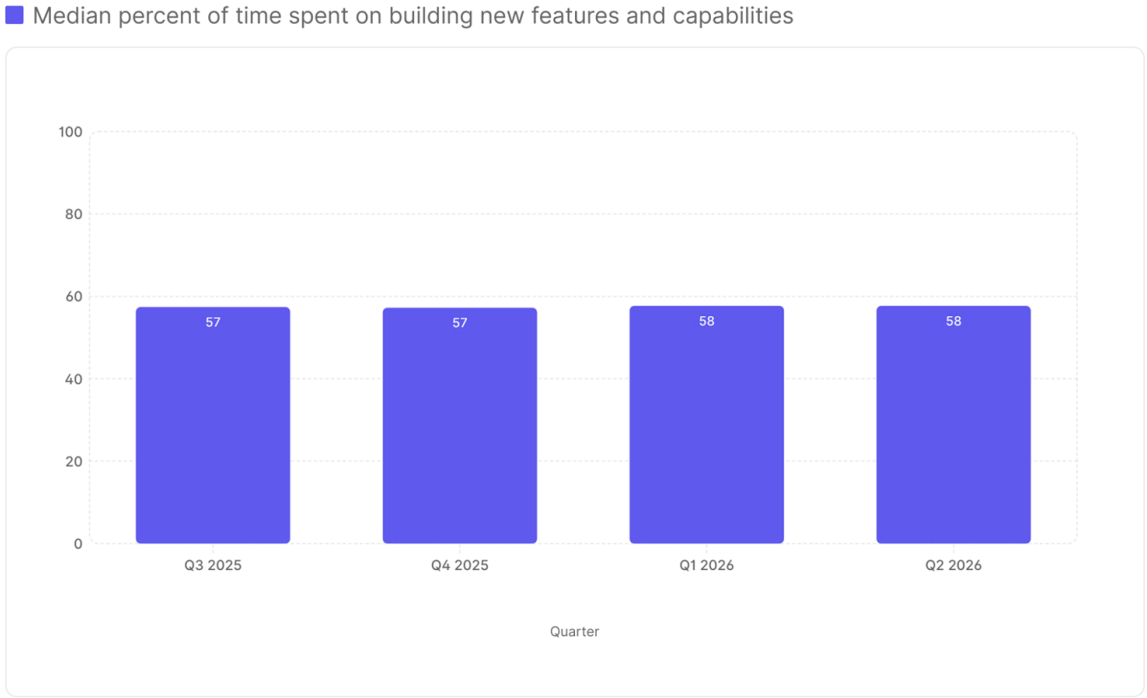
Sample from over 400+ companies



Innovation Ratio not impacted so far

Distribution of median innovation ratio by organization

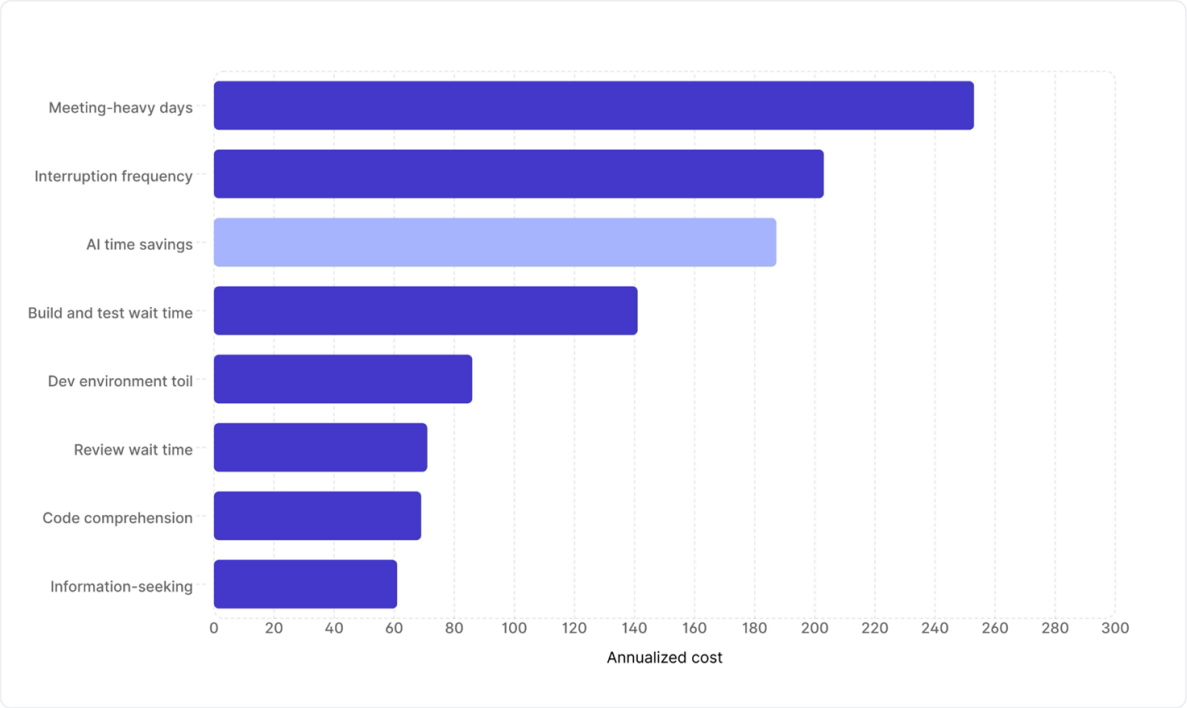
Sample from over 400+ companies



Non-AI factors still outweigh AI benefits

Annualized distribution of developer time by workflow phase

Sample from 400+ companies

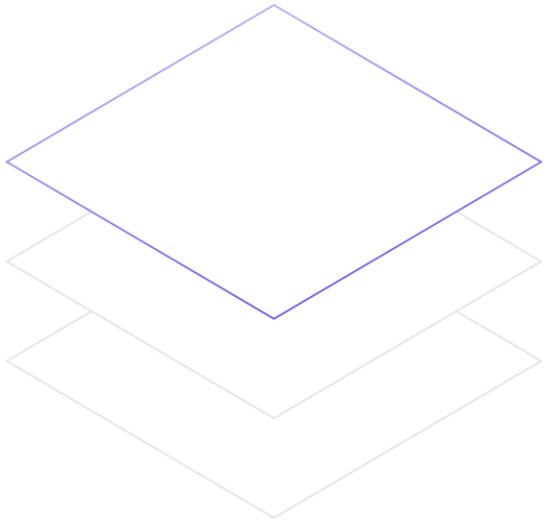


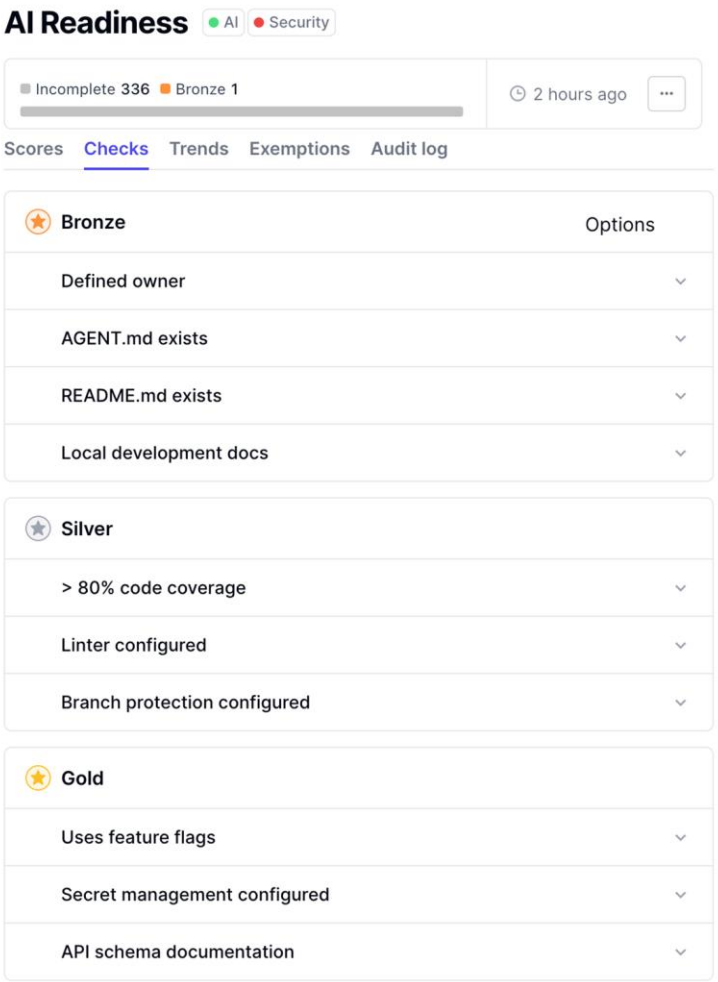
SDLC Agent use cases

“An hour saved on something that isn’t the bottleneck is worthless” - Eli Goldratt

The new mandate for Platform Engineering teams

- Drive “AI readiness” initiatives
- Data-driven AI rollout and optimization
- Measure for impact, not for activity or speed
- Paved paths and guardrails for AI engineering
- AI infra cost optimization

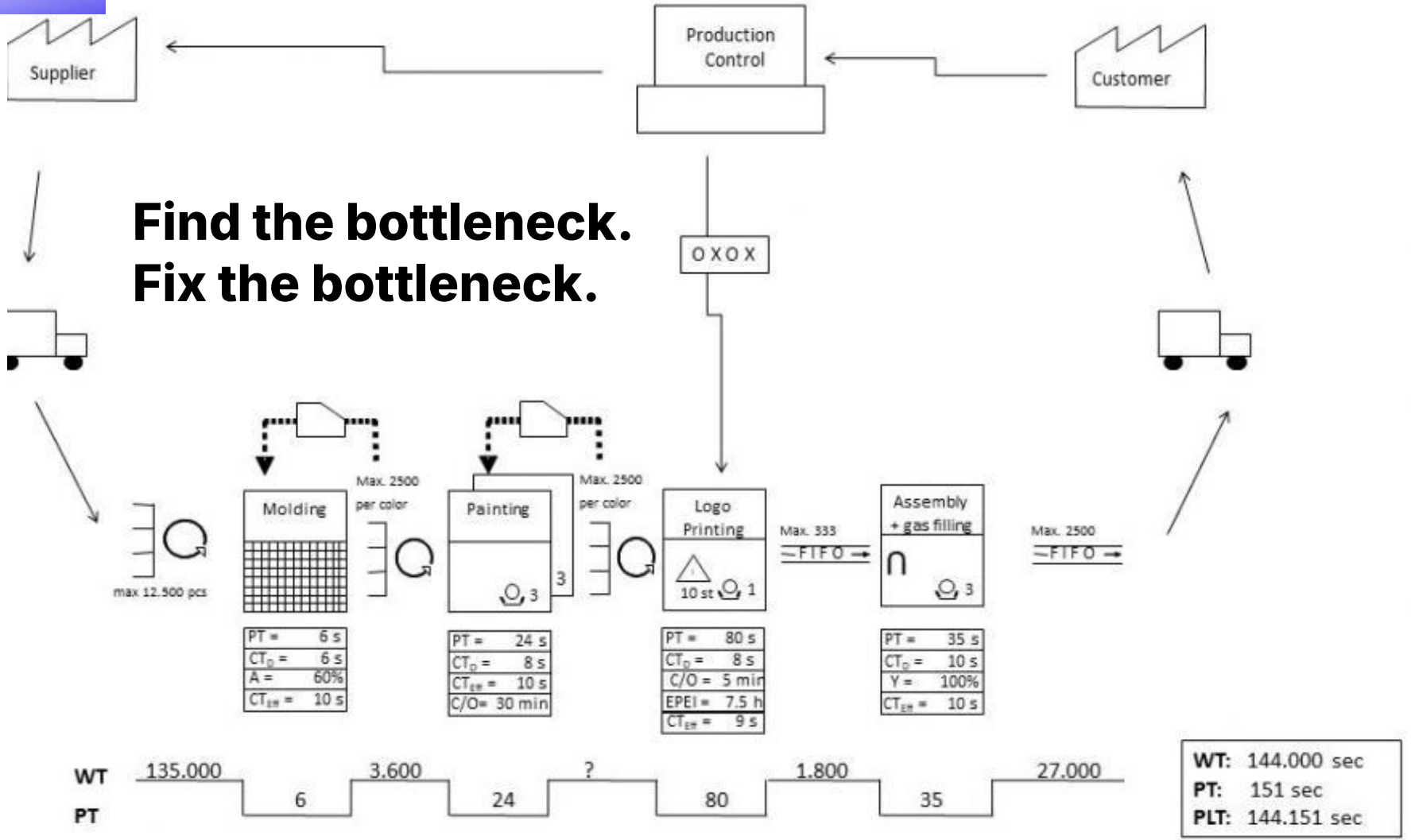




Increasingly referred to as AI Readiness...

- Clear, accurate, well structured documentation
- Data structures with straightforward relations
- Readable, manageable, modular code
- Fast, reliable local and CI feedback loops
- Stable (read: non-flaky) reliable test suites

This should sound familiar, we used to call it “good DevEx”...


Supplier
Production Control
Customer
Find the bottleneck.
Fix the bottleneck.
OXOX
max 12.500 pcs
Molding
Max. 2500 per color
PT = 6 s
CT = 6 s
A = 60%
CT = 10 s
Painting
3
Max. 2500 per color
PT = 24 s
CT = 8 s
CT = 10 s
C/O= 30 min
Logo Printing
10 st
1
PT = 80 s
CT = 8 s
C/O = 5 min
EPEI = 7.5 h
CT = 9 s
Max. 333
FIFO
Assembly + gas filling
3
PT = 35 s
CT = 10 s
Y = 100%
CT = 10 s
Max. 2500
FIFO
WT
PT
135.000
6
3.600
24
?
80
1.800
35
27.000
WT: 144.000 sec
PT: 151 sec
PLT: 144.151 sec

Morgan Stanley - Legacy Code Refactoring

The Bottleneck
Morgan Stanley manages a vast library of legacy code. Modernizing this code requires developers to spend enormous amounts of time reverse - engineering old systems to create specifications for the new ones.

The AI Solution
They built "DevGen.AI," an internal solution where AI agents read the legacy code, gather additional context, and automatically generate detailed developer specs.

The Impact
This automation saves the company over 280,000 developer hours annually by eliminating reverse engineering.

Zapier - Administrative Automation

The Bottleneck
Engineers and teams at Zapier were losing valuable focus time to repetitive administrative work such as daily stand-ups, onboarding tasks, internal reporting, and routine Slack communications

The AI solution
Zapier's AI Agents team built an internal automation ecosystem where agents now run async stand-ups, summarize team updates, automate onboarding steps like email signature creation, and integrate seamlessly with Slack for approvals, notifications, and summaries.

The impact
The initiative has led to fewer synchronous meetings, faster onboarding (new engineers become productive within ~2 weeks), and an automation-focused culture. Zapier has actually ramped hiring as a result.

Canva - PRD Generation

The Bottleneck
The process of translating a product idea into a developer-friendly PRD can be slow and prone to miscommunication between product managers and engineers.

The AI solution
Canva built an internal PRD generator that allows PMs to use prompts to develop epics, user stories, and even initial design mockups. The system connects to their internal documentation, Jira, and Figma via MCP to create developer-friendly specs.

The Impact
The tool significantly streamlines the PRD process, improving the speed and quality of communication between product and engineering.

Faire - Automated Code Review

The Bottleneck
As an engineering organization scales and PRs increase, especially with AI, code review can become a significant though necessary bottleneck.

The AI Solution
Faire developed an AI agent named "Fairey" that triggers automatically on every GitHub pull request. The agent pulls context from surrounding code and documentation to provide always - on, instantaneous PR comments and suggestions.

The Impact
Fairey completes roughly 3000 code reviews per week, freeing up senior engineers from routine checks to focus on more complex architectural issues and mentoring.

Spotify - Incident Management

The Bottleneck
When a production incident occurs, SREs often spend critical minutes and hours correlating alerts, digging through logs, and identifying the correct runbook steps.

The AI Solution
Spotify created an internal incident management agent platform that monitors logs and correlates alerts in real-time. When an incident is detected, the agent automatically suggests remediation steps from relevant runbooks directly into the SREs' communication channels.

The Impact
The platform is currently handling 90% of all incidents at Spotify, dramatically reducing mean time to resolution (MTTR) and freeing up SREs to focus on proactive reliability work.

Q&A