Better Software

FASTER

Leading in the age of AI

Laura Tacho, CTO @ DX
getdx.com

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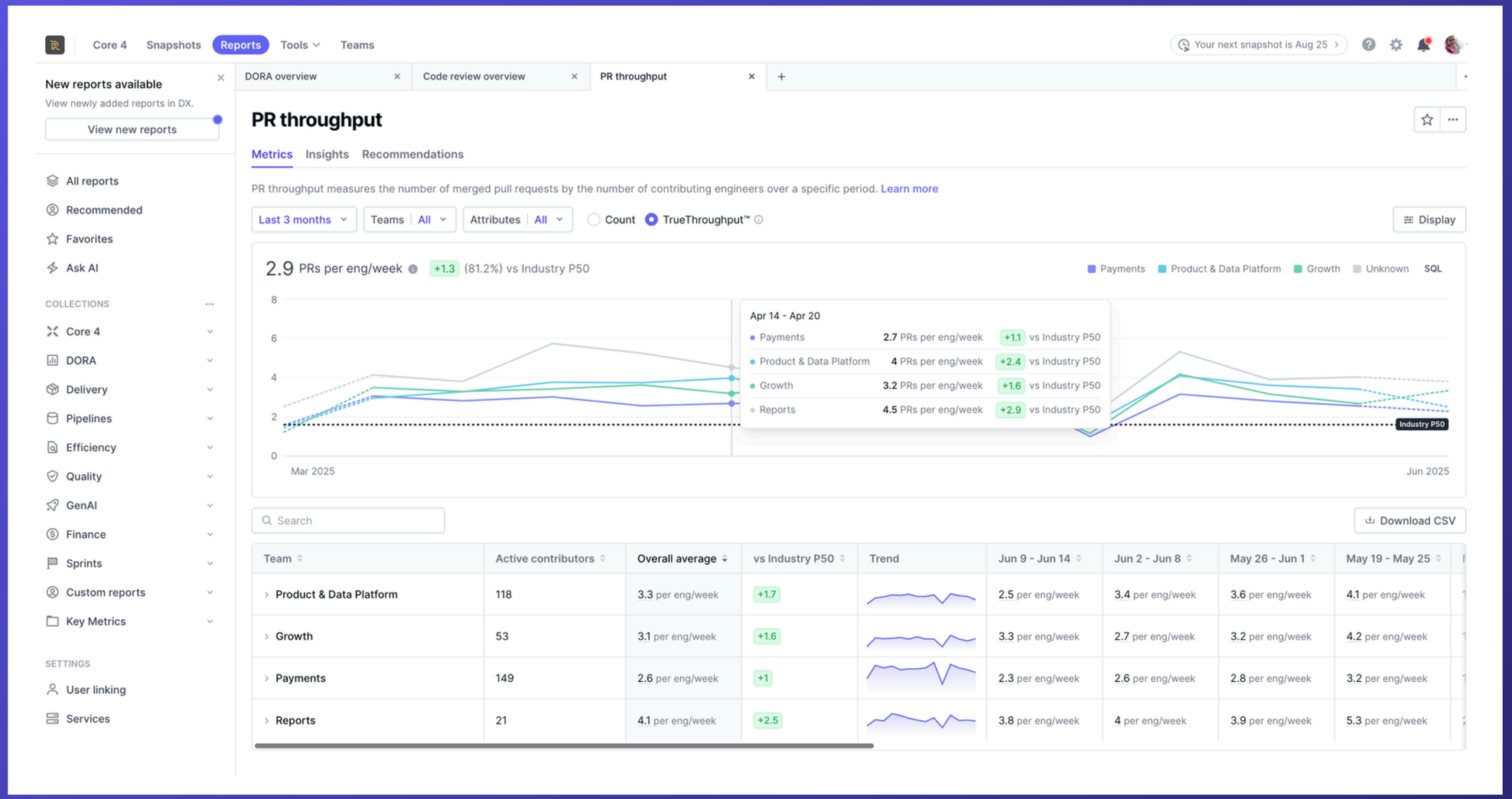

Core 4
Snapshots
Reports
Tools
Teams
Your next snapshot is Aug 25
New reports available
View newly added reports in DX.
View new reports
DORA overview
Code review overview
PR throughput
All reports
Recommended
Favorites
Ask AI
COLLECTIONS
Core 4
DORA
Delivery
Pipelines
Efficiency
Quality
GenAI
Finance
Sprints
Custom reports
Key Metrics
SETTINGS
User linking
Services
PR throughput
Metrics
Insights
Recommendations
PR throughput measures the number of merged pull requests by the number of contributing engineers over a specific period. Learn more
Last 3 months
Teams All
Attributes All
Count
TrueThroughput™
Display
2.9 PRs per eng/week
+1.3 (81.2%) vs Industry P50
Payments
Product & Data Platform
Growth
Unknown
SQL
8
6
4
2
0
Apr 14 - Apr 20
Payments 2.7 PRs per eng/week +1.1 vs Industry P50
Product & Data Platform 4 PRs per eng/week +2.4 vs Industry P50
Growth 3.2 PRs per eng/week +1.6 vs Industry P50
Reports 4.5 PRs per eng/week +2.9 vs Industry P50
Industry P50
Mar 2025
Jun 2025
Search
Download CSV
Team
Active contributors
Overall average
vs Industry P50
Trend
Jun 9 - Jun 14
Jun 2 - Jun 8
May 26 - Jun 1
May 19 - May 25
Product & Data Platform 118 3.3 per eng/week +1.7 2.5 per eng/week 3.4 per eng/week 3.6 per eng/week 4.1 per eng/week
Growth 53 3.1 per eng/week +1.6 3.3 per eng/week 2.7 per eng/week 3.2 per eng/week 4.2 per eng/week
Payments 149 2.6 per eng/week +1 2.3 per eng/week 2.6 per eng/week 2.8 per eng/week 3.2 per eng/week
Reports 21 4.1 per eng/week +2.5 3.8 per eng/week 4 per eng/week 3.9 per eng/week 5.3 per eng/week

How much faster can we go with AI?

It’s about improving the system

AI is about better devex, not about more lines of code

AI

Anthropic CEO says AI could wipe out half of all entry-level white-collar jobs

By Ana Altchek and Sarah Perkel

Microsoft CEO says up to 30% of the company's code was written by AI

During a fireside chat with Meta CEO Mark Zuckerberg at Meta's LlamaCon conference on Tuesday, Microsoft CEO Satya Nadella said that 20% to 30% of code inside the company's repositories was "written by software" — meaning AI.

AI Is Already Writing About 30% of Code at Microsoft and Google. Here's What It Means for Software Engineers.

Big Tech is spending tens of billions of dollars on AI infrastructure.

Meta-CEO Zuckerberg: "AI will write better code than developers"

AI

Anthropic's CEO says that in 3 to 6 months, AI will be writing 90% of the code software developers were in charge of

Expectations vs reality

Data beats hype

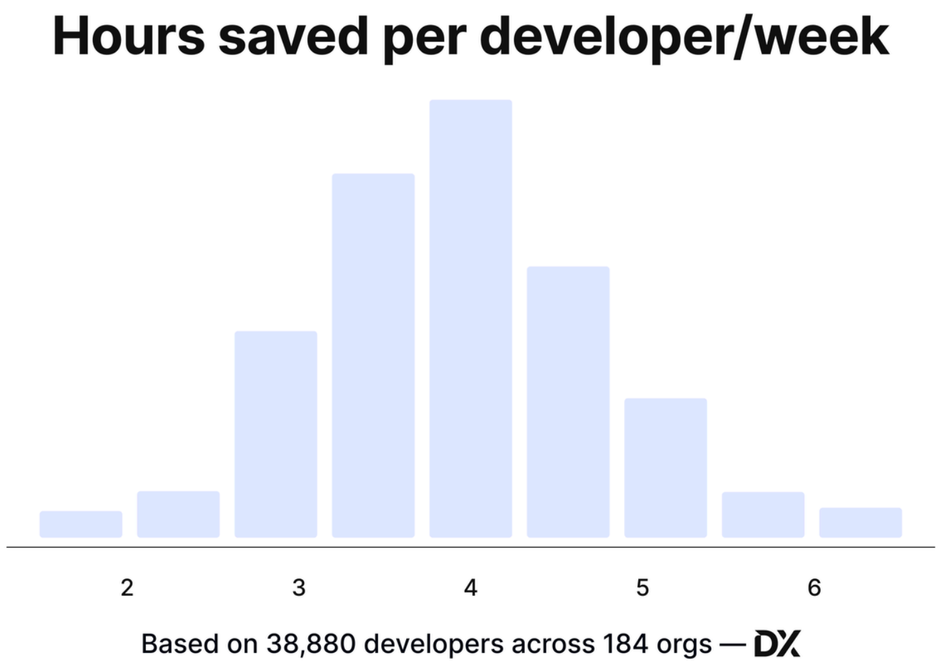
AI can be transformative

“The hype around AI is in many ways the biggest barrier for adoption.”

Brian Houck, SPACE framework co-author

Microsoft

Right now, advanced organisations have around 60% adoption



Average
3.75 hours/week

data from H12025

You have a hard job to do as an organisational leader

1. Have a common definition of engineering performance

2. Know how AI is changing that performance, and why

Many of us still feel like we’re guessing

It’s your job to educate

What does it actually take to build better software faster?

AI accelerates these fundamentals

Protect your org from delayed damage

Align the org on a definition of excellence

DX Core 4

	Speed	Effectiveness	Quality	Impact
Key metric	Diffs per engineer* (PRs or MRs) *Not at individual level	Developer Experience Index (DXI) Measure of key engineering performance drivers, developed by DX	Change failure rate	% of time spent on new capabilities
Secondary metrics	Lead time Deployment frequency Perceived rate of delivery	Time to 10th PR Ease of delivery Regrettable attrition* *Only at organizational level	Failed deployment recovery time Perceived software quality Operational health and security metrics	Initiative progress and ROI Revenue per Engineer* R&D as % of revenue* *Only at organizational level

“Core 4 gives you a much more cohesive picture of what’s happening in your organization.”

Drew Houston, co-founder and CEO

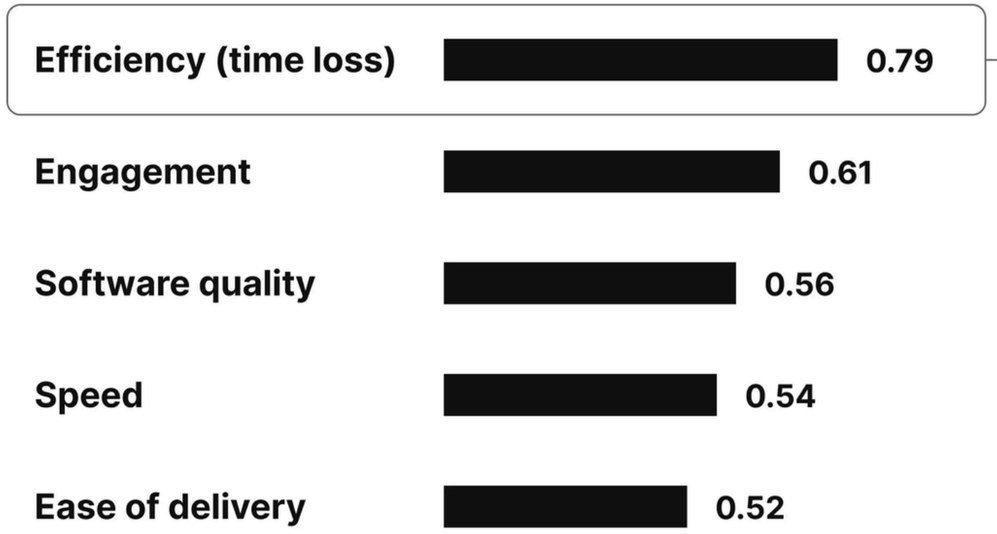
Dropbox

Developer experience is operational leverage

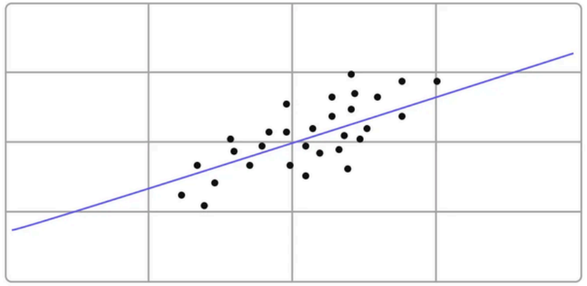
20% of time is lost due to friction

DXI

Correlation between Developer Experience Index (DXI) and key business outcomes
n=514



DXI vs time loss



Each one-point gain in DXI score correlates to 13 minutes per week of developer time saved.

Block identified 500,000 hours to save

“These improvements helped us move faster without sacrificing quality or focus.”

Azra Colburn, Head of DevEx

BLOCK

Easy to deploy, even on your own

Core 4 Survey Template

Industry Benchmarks

AI provides uplift to all Core 4 dimensions

We need specific measurements for AI impact

The AI Measurement Framework™

AI Measurement Framework™

Utilization	Impact	Cost
How much are development teams adopting and utilising AI tools?	How is AI impacting engineering productivity?	Is our AI spend and return on investment optimal?

• AI tool usage (DAUs/WAUs)
• Percentage of PRs that are AI-assisted
• Percentage of committed code that is AI-generated
• Tasks assigned to agents **
	• AI-driven time savings (developer hours/week
	• Developer satisfaction
	• DX Core 4 metrics, including:
	  ◦ PR throughput
	  ◦ Perceived rate of delivery
	  ◦ Developer Experience Index (DXI)
	  ◦ Code maintainability
	  ◦ Change confidence
	  ◦ Change fail percentage
	• Human-equivalent hours (HEH) of work completed by agents **
		• AI spend (both total and per developer)
		• Net time gain per developer (time savings - AI spend)
		• Agent hourly rate (HEH/AI spend) **

“It showed us where to focus and helped us get way more impact out of the tools, both in how deeply and widely they’re being used.”

Zane Wright, DevEx Team

Booking.com

3500 engineers
65% higher adoption
150k hours saved

Core 4 & AI Measurement Framework™

Leaders have the right data, and can adapt quickly

AI will help you build better software faster

Your next steps

- Start using Core 4
- Identify bottlenecks and points of friction
- Align on a common definition of excellence
- Use the AI Measurement Framework™ for better conversations about AI

OFFICE HOURS	12:45 today
MEASURING AI TABLE TALK	12:45 today
MEASURING AI DIRECTOR+ ROUNDTABLE	11:30 tomorrow