

Developer Experience (DX)

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Event organized by: Academic Partners Foundation



**PYTHON
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Warsaw,
04.12.2025 - 05.12.2025



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It is **NOT** a talk about employee benefits
(e.g., fruit days and life insurance)

01

Introduction



Platform Engineer...



Search term



Developer Experi...



Search term



Internal Develope...



Search term

+ Add comparison

Worldwide ▾

Past 12 months ▾

All categories ▾

Web Search ▾

Interest over time ?



Introduction

Platform Engineering is a practice focused on delivering self-services and excellent Developer Experience (DX) via an Internal Developer Platform (IDP).

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Internal Developer Platform (IDP) is a combination of tools to create golden paths and provide developer self-services.

Developer Experience (DX) is a cultural approach that simplifies or eliminates anything that does not contribute to creative output.

Platform Engineering principles

- Clear mission and role
- Treat your platform as a product
- Focus on common problems
- Don't reinvent the wheel
- Platform teams are the glue between teams

02

Problem statement

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Every company that has developer(s) deals with DX.

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So, we all deal with **Developer Experience (DX)**, but we do it in a chaotic and unmeasurable way.

03

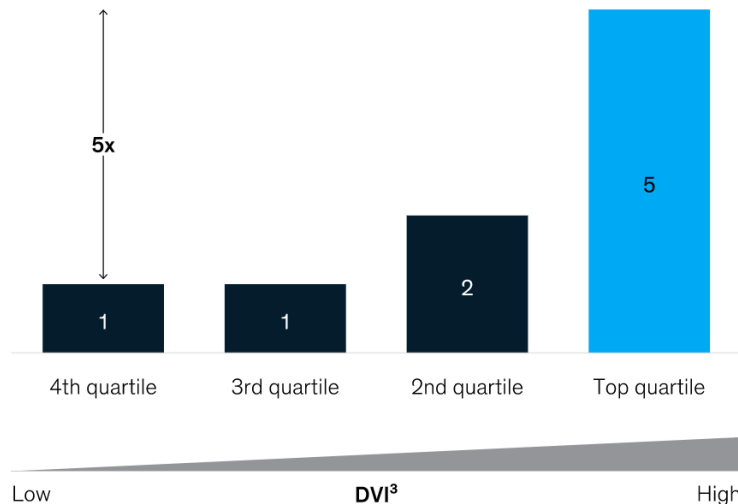
Pros and cons

“Companies in the top quartile of the Developer Velocity Index (DVI) outperform others in the market by **four to five times.**”

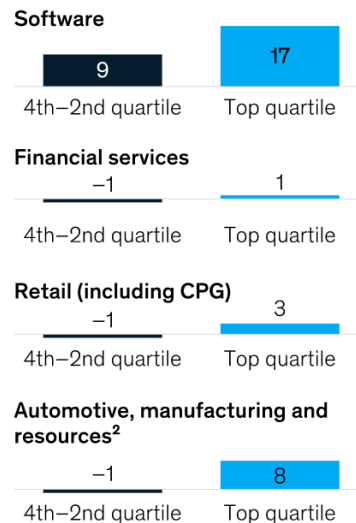
—McKinsey

Top companies by Developer Velocity Index

Revenue CAGR¹ by DVI quartile, all companies,² 2014–18, n = 239, %



Select sectors, %²



¹ Compound annual growth rate.

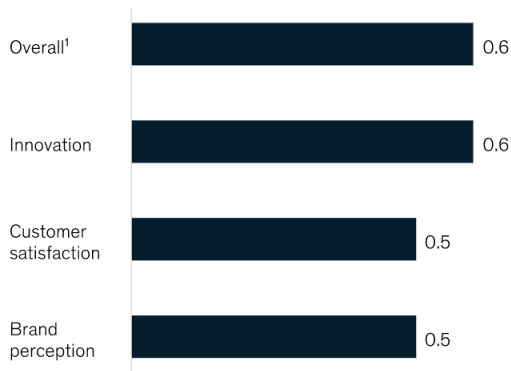
² Includes companies and verticals with n>15 for available public data; n for verticals shown: software equals 25, financial services equals 30, manufacturing and resources equals 36; retail equals 44; companies were split into DVI quartiles based on DVI score and industry ranking.

³ Includes automotive, manufacturing, oil and gas, and energy.

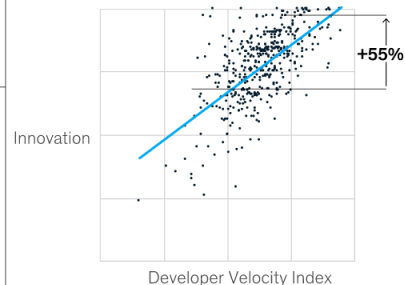
Source: Capital IQ; Developer Velocity Survey

Top companies by Developer Velocity Index

Correlation between Developer Velocity Index (DVI) and key business performance indicators,
n = 440, 1=highest positive correlation, -1=highest negative correlation, 0.5+=strong correlation



DVI vs innovation



Companies with top-quartile DVI score 55% higher on innovation than bottom-quartile companies

Innovation measured by ability to innovate faster and beat competition through innovation led growth and adoption of new technologies (self-scored by executives)²

¹ Average of innovation, customer satisfaction, brand perception, and talent management.

² Measured by an average of new technology adoption (level of adoption for artificial intelligence, machine-learning, Internet of Things, augmented and virtual reality, fifth generation, blockchain, digital twins, robotic process automation, edge computing, and autonomous physical devices) and McKinsey innovation quotient metrics (an organization's innovation-led growth as well as innovation speed and perception relative to competitors).

Source: Developer Velocity Survey; expert interview

More pros

- 01** Increase performance
- 02** Improve time-to-market (TTM)
- 03** Save costs
- 04** Enhance cross-team cooperation

- 05** Reduce duplications and overhead
- 06** Increases motivation
- 07** Attract talent



Cons

- 01 Reduced client focus
- 02 Potential reduction in security
- 03 Potential reduction in record and audit
- 04 Lack of competent Developer Experience owners

- 05 Increased communication



Cons: Increased communication

number of employees	time spent on communication per employee	productivity	real employees in team
3	25.00%	0.7500	2.2500
4	33.33%	0.6667	2.6668
5	37.50%	0.6250	3.1250
6	45.45%	0.5455	3.2730
7	46.15%	0.5385	3.7695

04

How to improve DX

Three pillars of Developer Experience



USABILITY

How easy your platform is to use



FINDABILITY

How quickly developers can find the functionalities



CREDIBILITY

Developers trust your platform to solve their problems

Developer Experience best practices

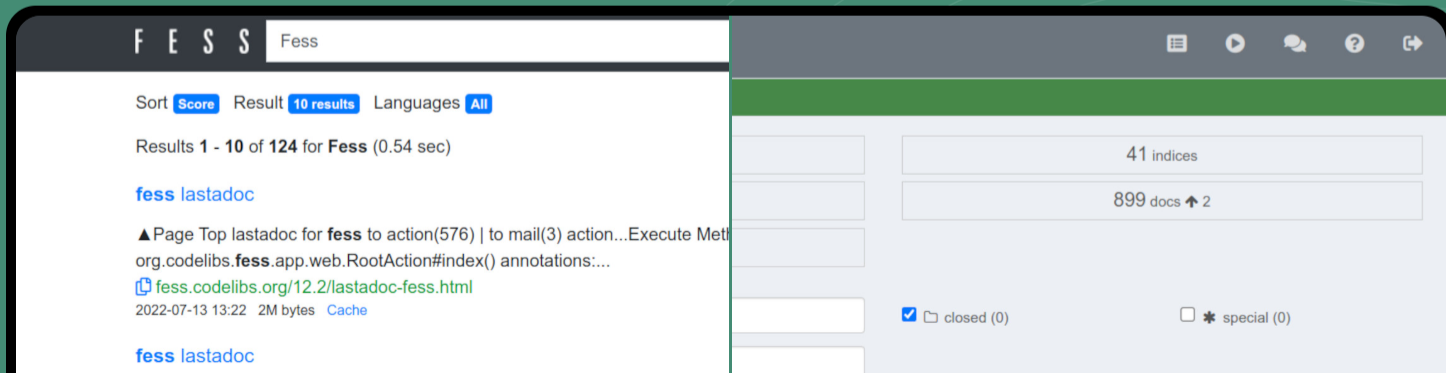
- 
- 01** Job descriptions reviewed by developers
 - 02** Create the developer journey
 - 03** Well prepared platform onboarding
 - 04** Understand developer demand well
 - 05** Proper architecture and modern design standards
 - 06** Focus on self-services rather than support channels
 - 07** No blocking dependencies
 - 08** Learning and sharing community

Easy-to-build Full-Text Search Environment

Enterprise Search Server Fess

Providing an Enterprise Search Server as Open Source.

Quick Start

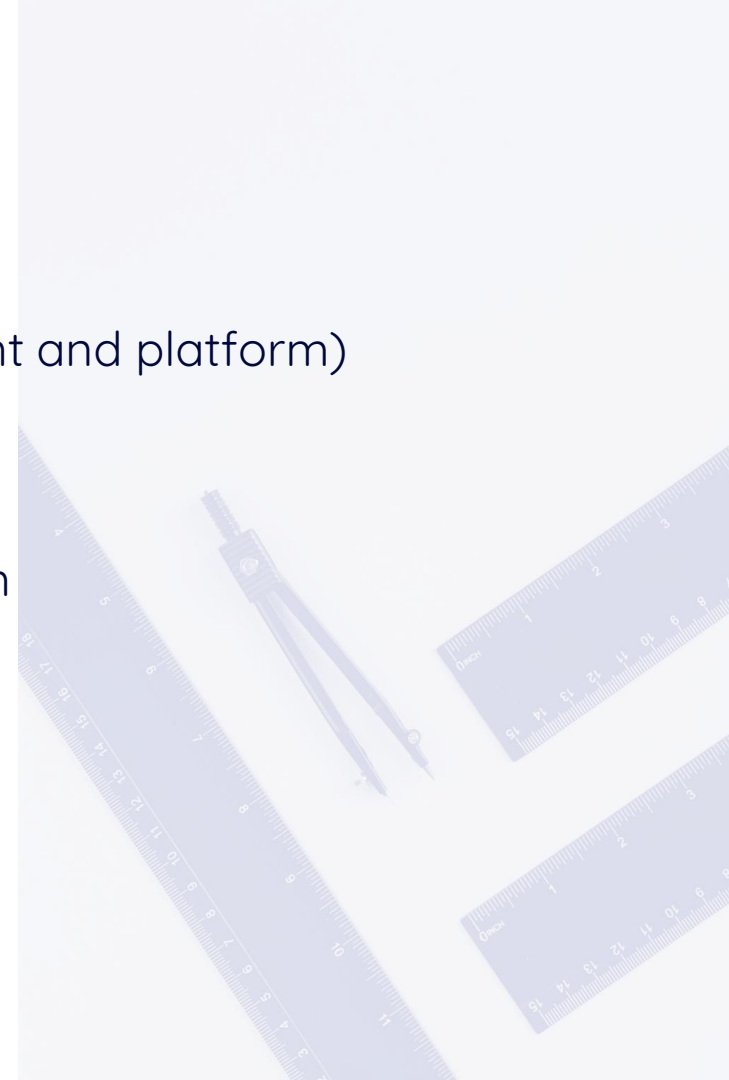


05

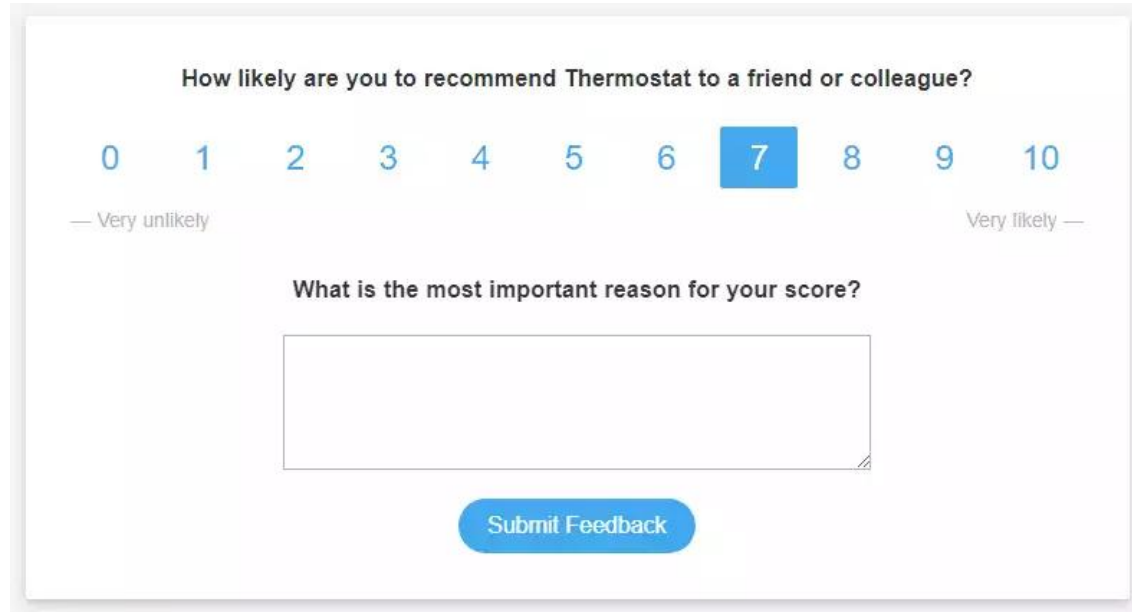
Measuring DX

Measuring DX: Metrics

- Onboarding experience (both employment and platform)
- Deployment frequency (see DORA)
- Platform availability
- Support quality
- Number of new tickets related to platform
- Net Promoter Score (NPS)



Measuring DX: Net Promoter Score (NPS)



How likely are you to recommend Thermostat to a friend or colleague?

0 1 2 3 4 5 6 7 8 9 10

— Very unlikely Very likely —

What is the most important reason for your score?

Submit Feedback

The image shows a digital survey form for Net Promoter Score (NPS). At the top, it asks 'How likely are you to recommend Thermostat to a friend or colleague?'. Below this is a horizontal scale from 0 to 10. The number 7 is highlighted with a blue square. Below the scale, there are labels '— Very unlikely' on the left and 'Very likely —' on the right. Underneath the scale is a text box asking 'What is the most important reason for your score?'. At the bottom of the form is a blue button labeled 'Submit Feedback'.

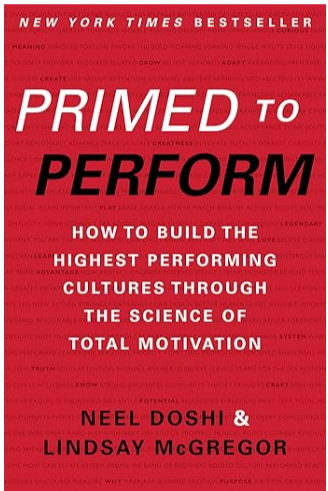
Example of an NPS popup provided by Thermostat

Measuring DX: More topics

- Find something to measure against (aka baseline)
- Collect pain points from developers (e.g., manual steps, slow scaling)
- Collect feedback regularly
- Total Motivation (ToMo)



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by [Neel Doshi](#) (Author), [Lindsay McGregor](#) (Author) | Format: Kindle Edition

4.6 263 ratings

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The revolutionary book that teaches you how to use the cutting edge of human psychology to build high performing workplace cultures.

Too often, great cultures feel like magic. While most leaders believe culture is critical to success, few know how to build one, or sustain it over time.

What if you knew the science behind the magic—a science so predictive and powerful that you could transform your organization? What if you could use cutting edge psychology to unlock people's innate desire to innovate, experiment, and adapt? In *Primed to Perform*, Neel Doshi and Lindsay McGregor show you how to do just that. The result: higher sales, more loyal customers, and more passionate employees.

Primed to Perform explains the counter-intuitive science behind great cultures, building on over a century of academic thinking. It shares the simple, highly predictive new measurement tool—the Total Motivation (ToMo) Factor—that enables you to measure the strength of your culture, and track improvements over time. It explores the authors' original research

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GET STARTED

06

Closing slides



RUSLAN KORNIICHUK

Software and Platform Engineer in Poland



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Solid experience of 10+ years in IT. Former Software Engineer and Architect at Fortune 500 companies. Core areas: Cloud Computing, and Software Engineering. Especially interested in Platform Engineering. Click the button above to hire me.



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Thank you for watching!

Remember to leave your questions and rate the presentation in the section below.



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Feedback

Zeskanuj kod i zostaw
swoją opinię



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How did you like the lecture:

"Developer Experience (DX)" ?



Rate the lecture on a scale of 1 to 5

Track: **Python Summit (VoD)**

Developer Experience (DX)

🕒 08:20 - 08:30 📍 Online VoD

Does DX mean UX for developers?! DX ensures that developers are happy, satisfied, and engaged. DX is focused specifically on improving the experience of developers who build and maintain software. Improving DX involves many factors, including architecture principles, code and knowledge bases, toolset, software engineering process, tech onboarding, and many more. By providing developers with the resources and support they need to be successful, companies can create a culture that values innovation, fosters growth, and drives business success. Session without entry requirements. Highly recommended for those looking to create exceptional software. This session includes both theory and practice of DX. We will start with an introduction and problem statement. Next, we will describe the pros and cons of DX, and how DX relates to dev environments. We will then discuss the importance of DX in the context of modern software development. Finally, we will provide a summary of the key takeaways from the session.

Feedback

Zeskanuj kod i zostaw
swoją opinię



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