

DEVELOPER EXPERIENCE

What is DX, how to measure it, challenges and other topics

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Cutie!!



ABI NODA

Founder of Pull Panda and GetDX researcher

"I believe that productivity is ultimately around how developer because software development is not an assembly line. It's not a where you can just count the widgets coming out."

WHAT IS DX?

Classic definition

- Solutions
- Tools



Modern definition

- Experiences
- Feelings



- $\uparrow DX = \uparrow$ Productivity

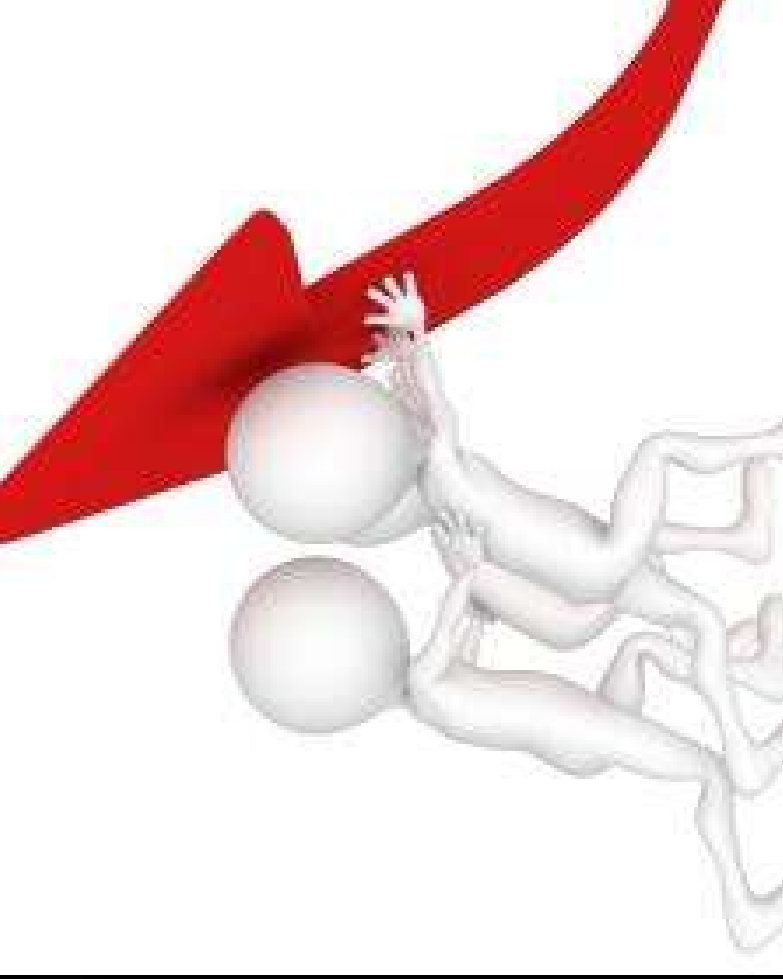
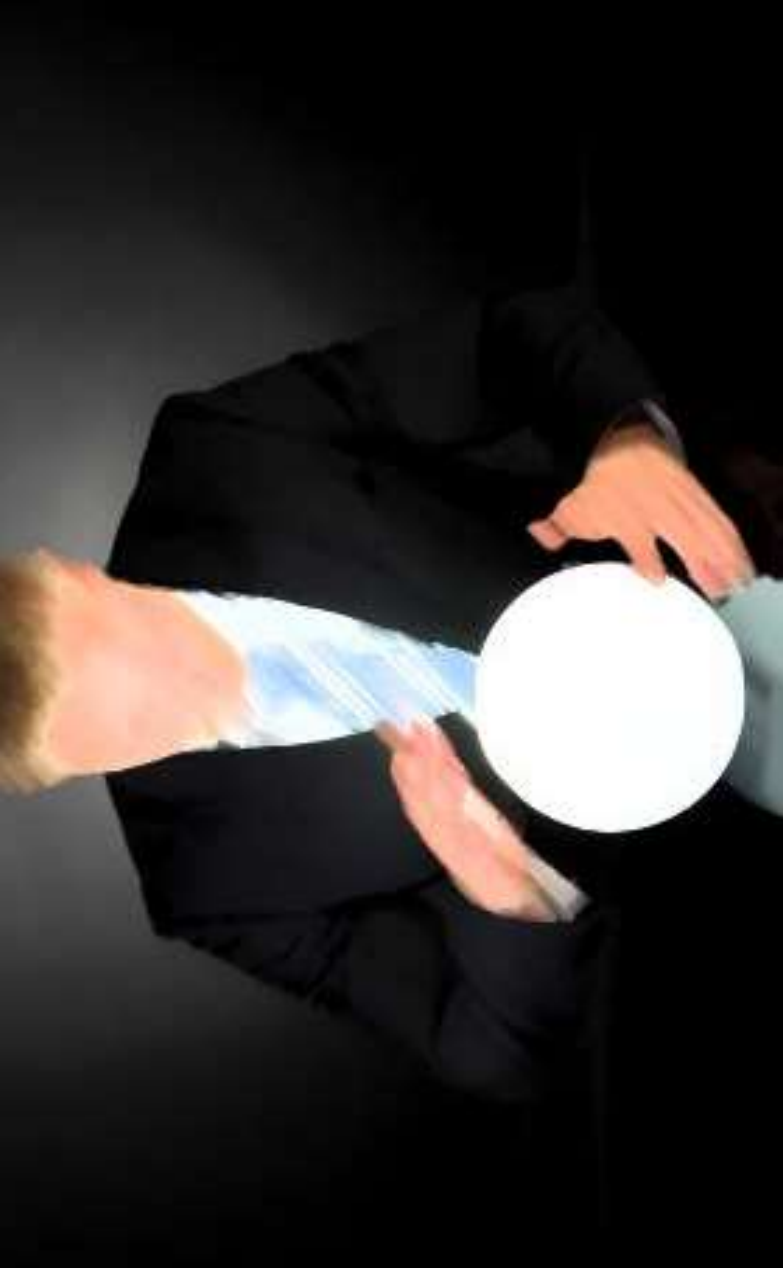


- $\uparrow DX = \uparrow$ Retaining



WHY IS IT IMPORTANT?

Why should companies care?



- Predicting productivity and satisfaction
- Improving individual performance
- More attractive when finding jobs

WHICH PROBLEMS DO WE FACE AS PROGRAMMERS?

(Other than bugs)

DO PROGRAMMERS FACE PROBLEMS?

LOCAL PROBLEMS



GLOBAL PROBLEMS



IMPROVING DX

- Why should companies care?



JOB CRAFTING

Don't like your job? Change it!

- Tweaking position → Better fit



DX TEAMS

DX as a service?

- Review, measure and improve

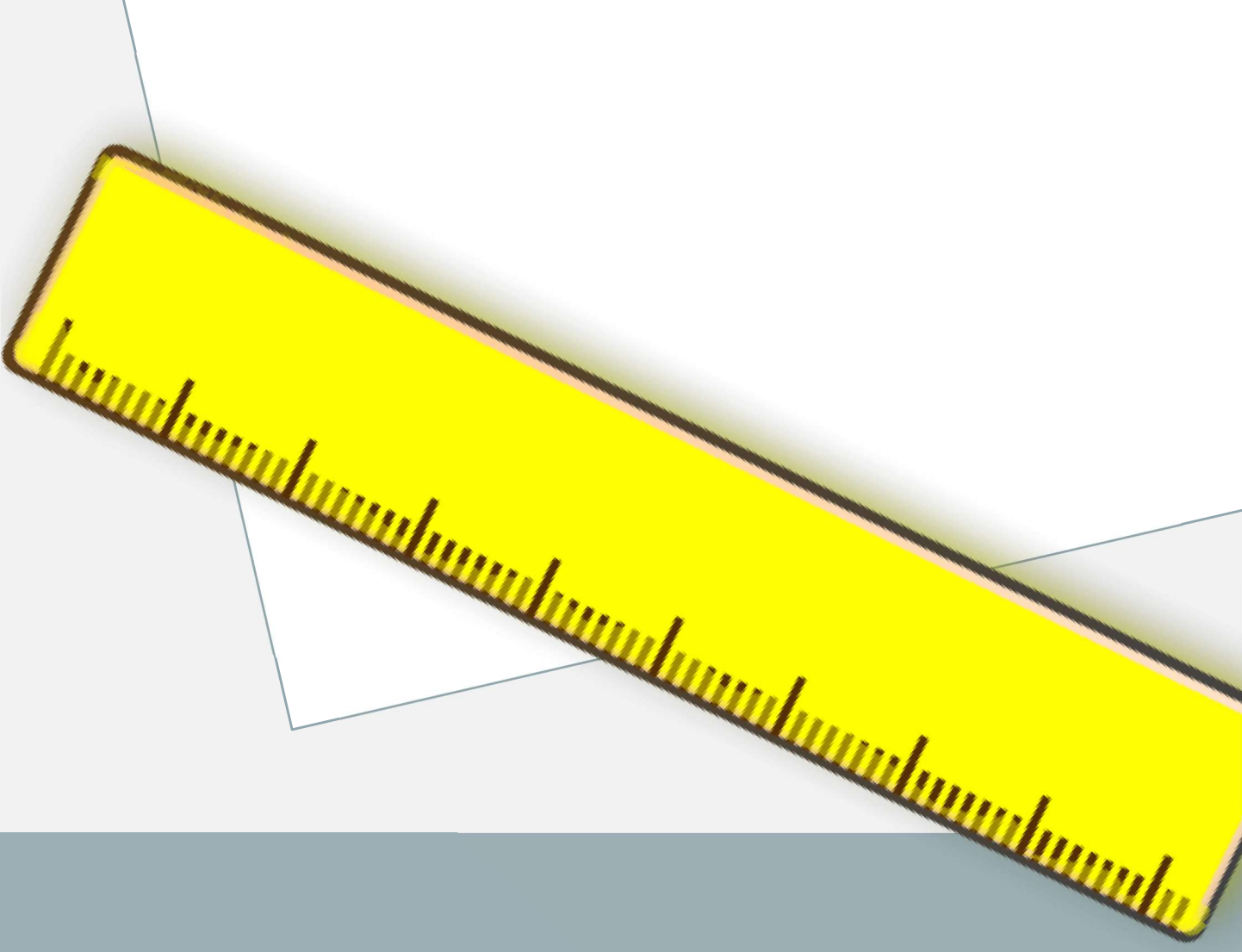


- Developer = Customer



METRICS

How to measure something abstract



SYSTEM METRICS



SELF-REPORTS

ALTERNATIVE METRICS

SYSTEM METRICS

- Empirical data
- Easier to measure
- Has no business context

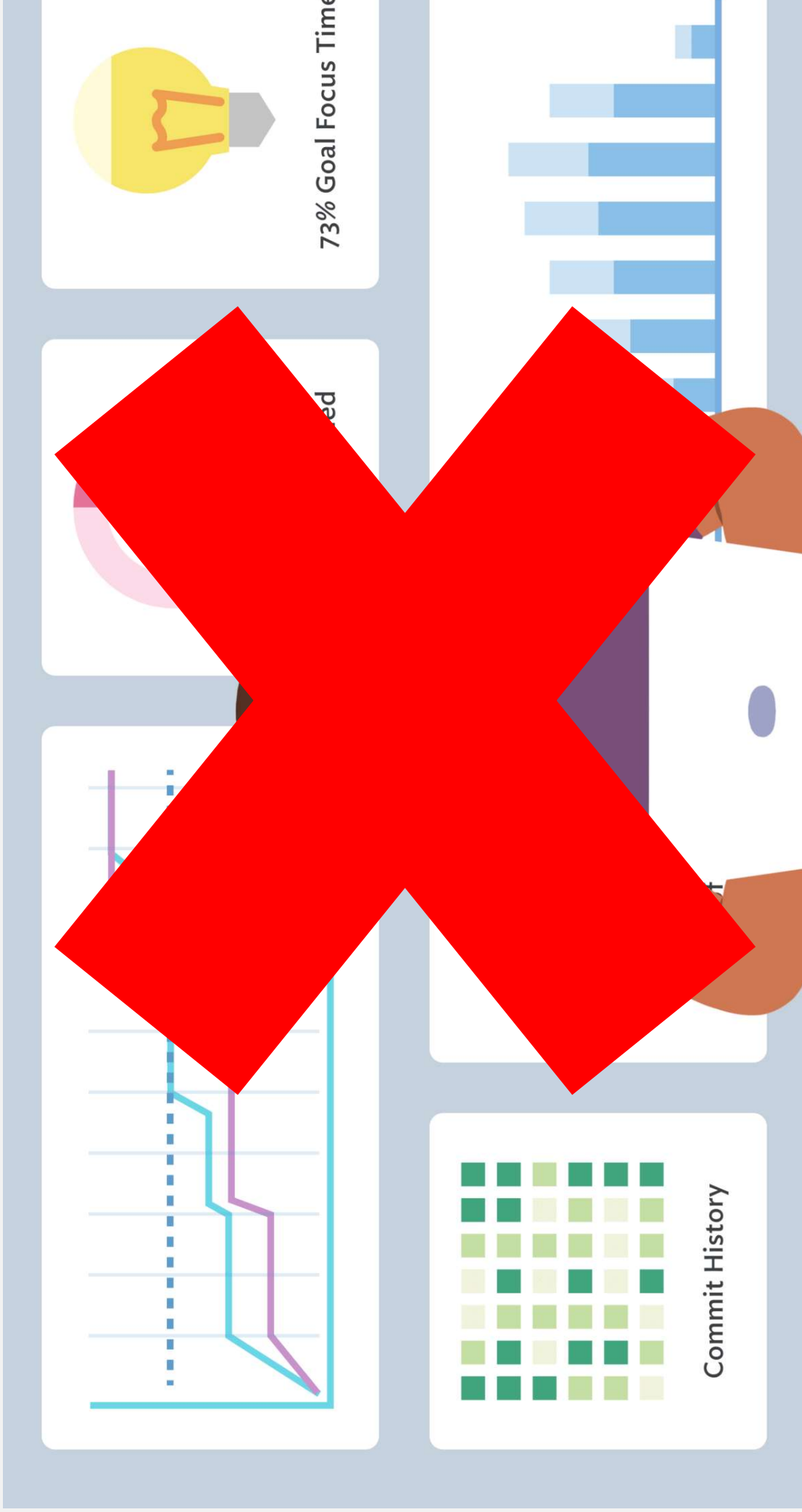
SELF-REPORTED MEASURES

- Personal data
- More difficult to quantify and measure
- Takes into consideration the end-to-end nature of development



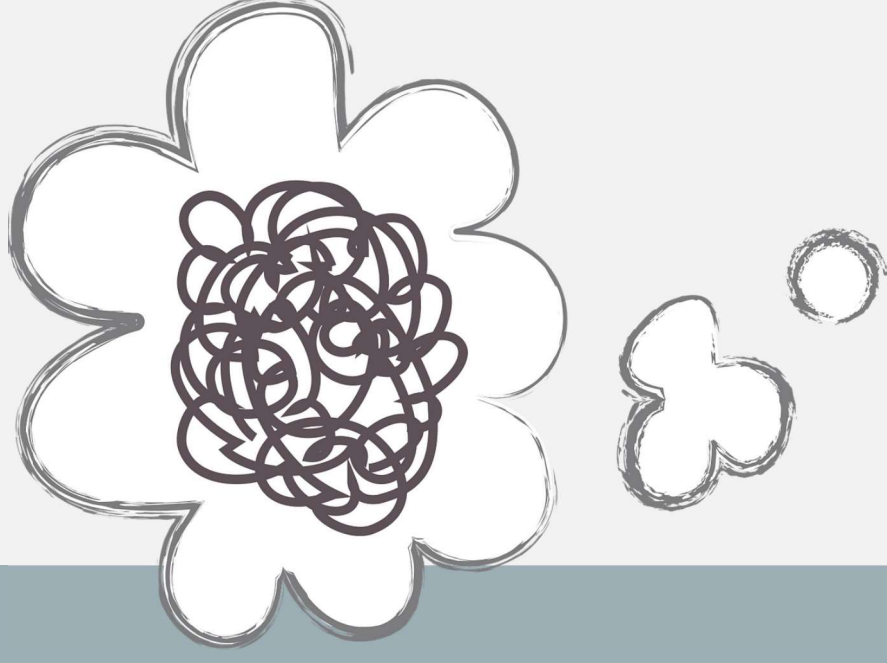
PRODUCTIVITY, WHAT IS IT?

WE DON'T KNOW



BARRIERS

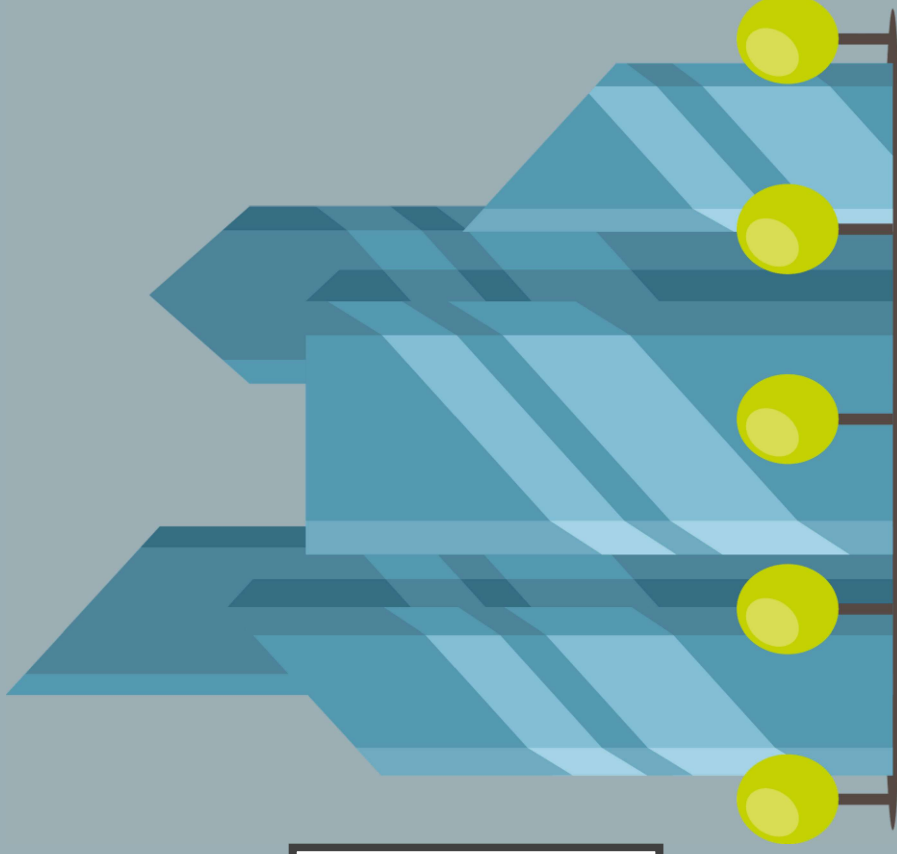
And how to surpass them



DON'T
PRIORITIZE

DON'T
KNOW

DON'T
SOLVE







CODE REVIEW CHALLENGES

Exhausting... but necessary

- Key part in development!
- Ensure quality



WHO SUFFERS WHAT

PROGRAMMER

- Time taken
- Harshness
- Amount of feedback

REVIEWER

- Bad documentation
- Unclear changes
- Missed points

COMMUNICATION, PLEASE

GOOD DOCUMENTATION!

Simple, but often overlooked

A top-down view of various construction and safety tools laid out on a dark wooden surface. In the bottom left corner is a bright yellow hard hat. To its right are a pair of tan leather work gloves. Further right is a black and white measuring tape, partially unrolled. Above the gloves is a yellow level. In the top right corner is a wrench. A pair of brown leather work boots is visible in the top right. A white hard hat is also visible in the center. The background is a dark, textured wooden surface.

A TOOL FOR JOB HUNTING

And a few tips for our future

HOW COMPANIES ADVERTISE DX



There is no formal way to measure the DX sadly

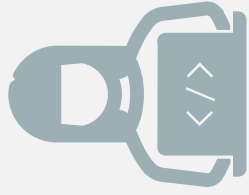


Big companies tend to fight their DX reputation

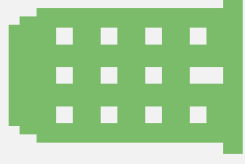


There is an increasing trend

WHAT SHOULD WE SEARCH?



Interviews are a two-way
share of information



Companies should provide
Open-source projects of
employees



Self reports of employees and
reputation

WHAT SHOULD WE ASK?



What is the process you must go to actually set code locally, to create it or to run it? Is that difficult?



Which reviewing process is followed?



How is the approval process done?



Is the time of the feedback loop frustrating?



Is it fun or enjoyable to work at that company?

The background of the slide is a dark teal color, covered with a repeating pattern of colorful speech bubbles. Each bubble is a different color (red, purple, yellow, grey) and contains a white question mark. The bubbles are scattered across the entire slide, creating a textured, busy background.

THANK YOU FOR LISTENING

Question time!