

DEVELOPER EXPERIENCE

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

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Cutie!!

ABI NODA

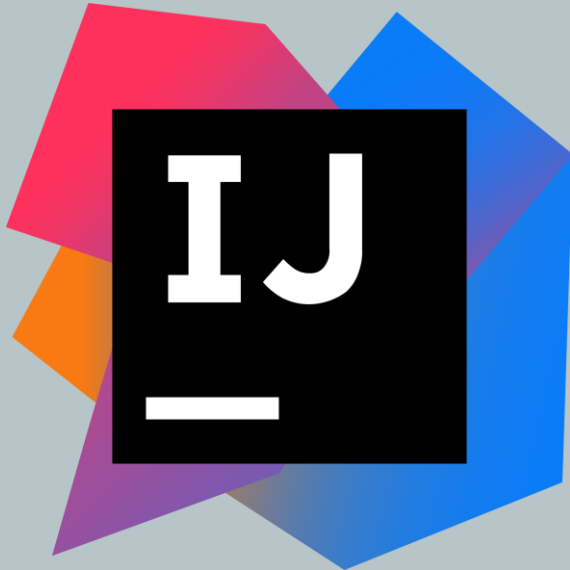
Founder of Pull Panda and GetDX researcher

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

WHAT IS DX?

Classic definition

- Solutions
- Tools



Modern definition

- Experiences
- Feelings
- ???



WHY IS IT IMPORTANT?

Why should companies care?

- $\uparrow \text{DX} = \uparrow \text{Productivity}$



- $\uparrow \text{DX} = \uparrow \text{Retaining}$





- 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 no business context

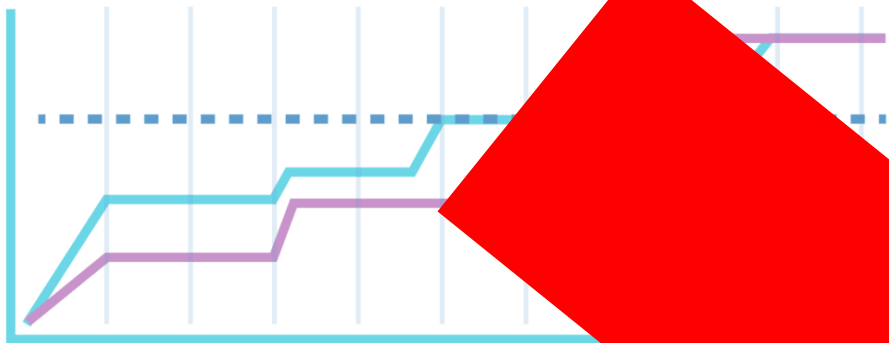
SELF-REPORTED MEASURES

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

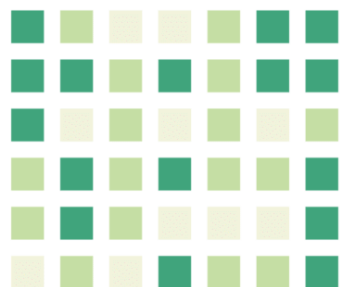


PRODUCTIVITY, WHAT IS IT?

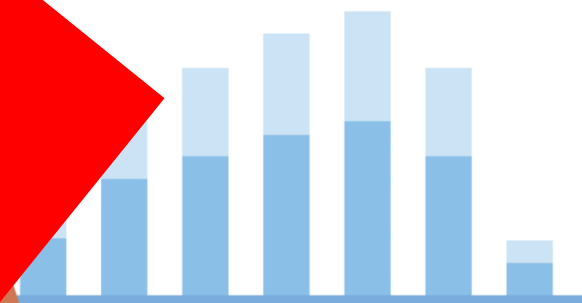
WE DON'T KNOW



73% Goal Focus Time

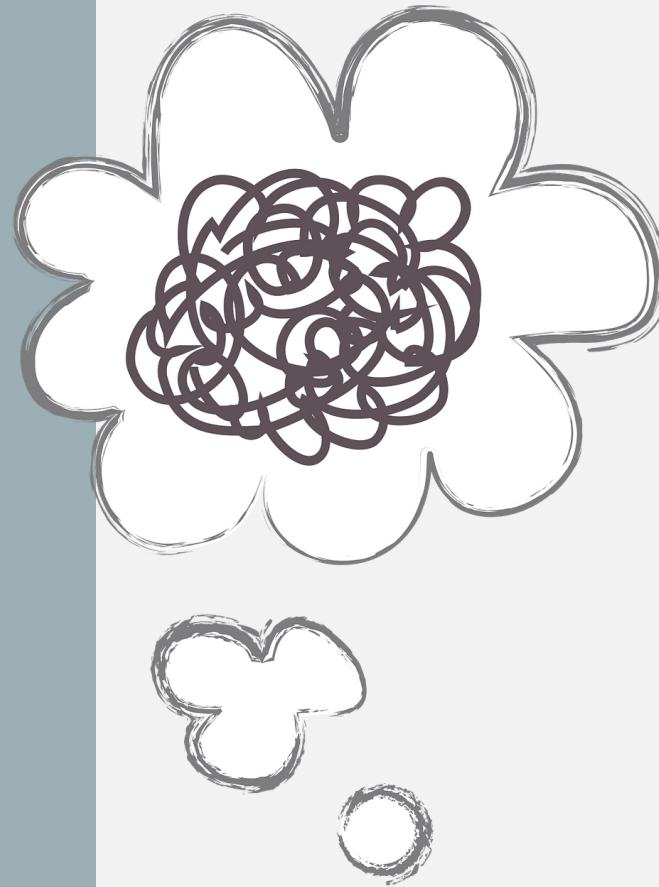


Commit History



BARRIERS

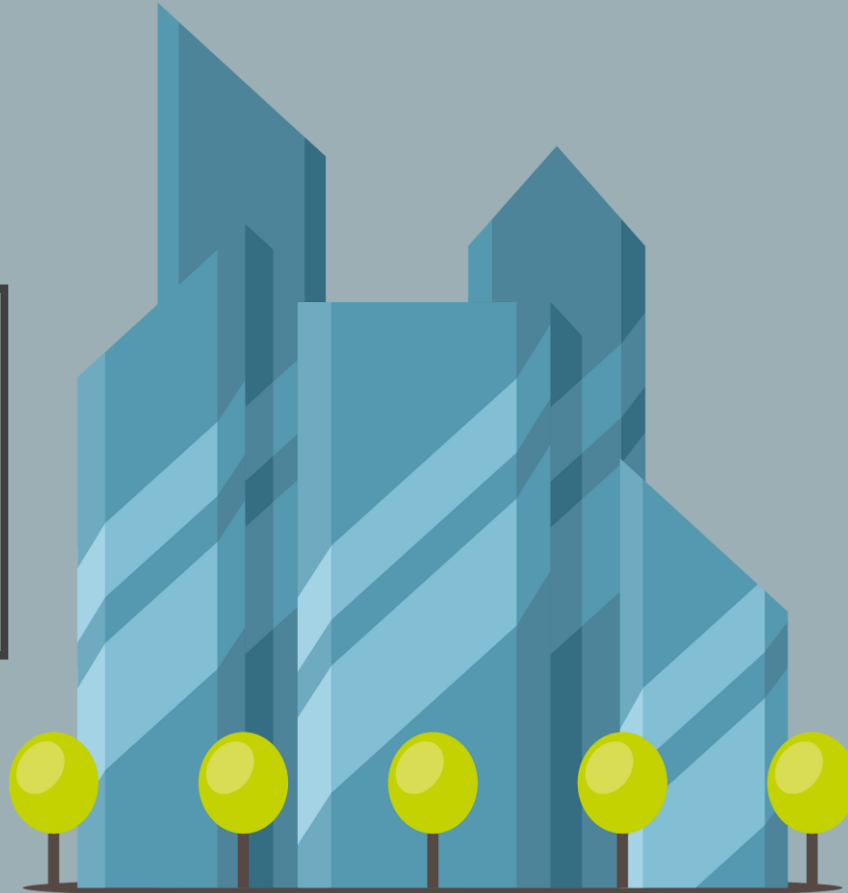
And how to surpass them



DON'T
PRIORITIZE

DON'T
KNOW

DON'T
SOLVE



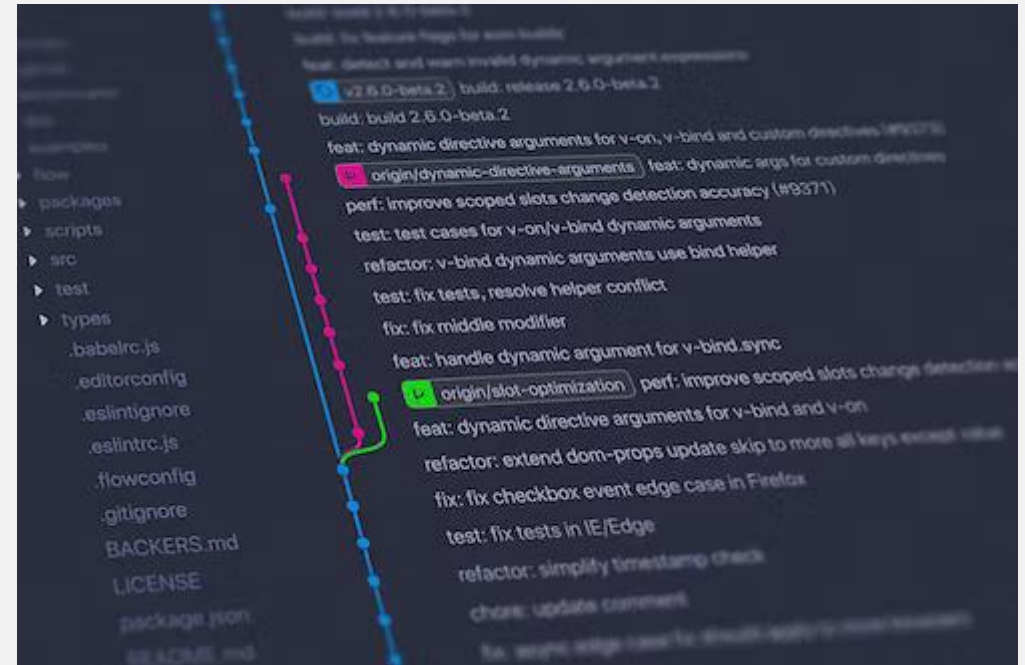




CODE REVIEW CHALLENGES

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 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 for their DX reputation

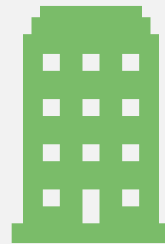


There is an increasing trend

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 up the code locally, to create it or to run it? Is that difficult?



Which reviewing process is followed?



How is the aproval 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, densely populated with numerous speech bubbles of various colors including red, yellow, purple, and grey. Each speech bubble contains a large, dark blue question mark. A white rectangular border is centered on the slide, enclosing the main text.

THANK YOU FOR LISTENING

Question time!