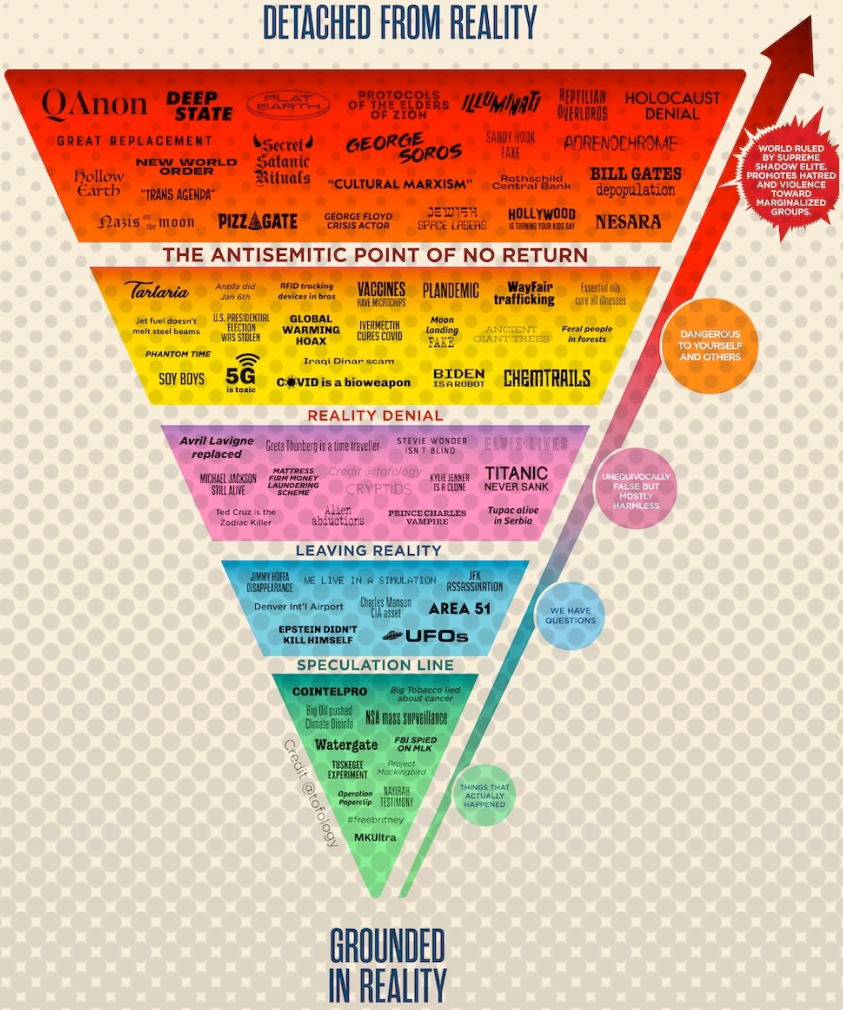
DevOps... Reframed

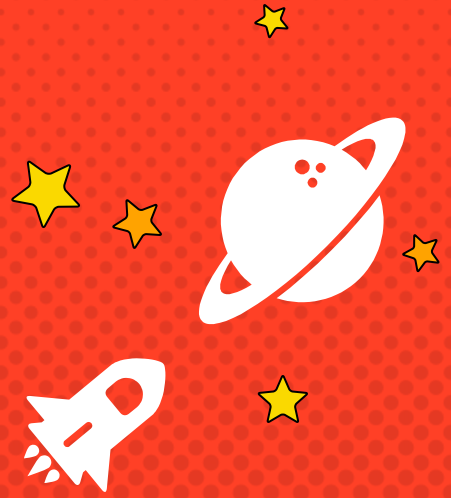
Embracing the path to developer productivity engineering

CONSPIRACY THEORY?!

CHART BY ABBIE RICHARDS

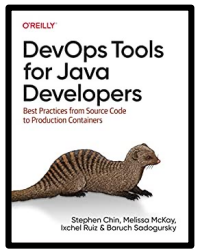


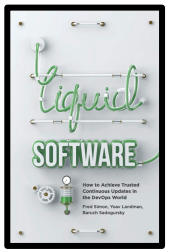
DEVOPS IS A CONSPIRACY BY OPS PEOPLE TO MAKE US, THE DEVELOPERS, DO THEIR JOB



Baruch Sadogursky - @jbaruch

- Developer Productivity Advocate
- Gradle Inc
- Development -> DevOps -> #DPE





SHOWNOTES

- speaking.jbaru.ch
- Slides
- Video
- All the links!

AlphaCSP
6 yrs 1 mo

Training Division Manager
Jan 2007 - Oct 2010 · 3 yrs 10 mos

- Development and delivery of most of AlphaCSP courses on different Java-related topics and in different levels;
Among the customers: IDF, Cisco, IDI direct insurance, Rafael, PayPal, Opal, BMC, Malam, Checkpoint, HP Software and others.
- Development and delivery Artifactory training for JFrog customers world-wide;
Among the customers: Cisco, Sita, Ansys and others.
- JTeam – Extremely successful internal training program in AlphaCSP – ¼ of AlphaCSP personnel are JTeam alumni.
- Java department technical lead at MalamTeam Training Center – development and delivery of all Java courses.
- Named one of the best speakers in all AlphaCSP events through the years.

Consultant & Architect
Jan 2007 - Oct 2010 · 3 yrs 10 mos

Consulting, building architectures and design, mentoring, and developing in various Java-related projects on the topics, described in Specialties section above;
Among the customers: BMC, Logia, IDF, Starhome (Comverse), Malam, Cisco, IDI, IDIT, Isracard, Virtual Tweens, Amobee, SolarEdge, Checkpoint, Cadence, Evolven, ExLibris, Retalix, Schema, Time To Know and others.

Senior Developer
Oct 2004 - Jan 2007 · 2 yrs 4 mos

Working on various projects in BMC Software Israel

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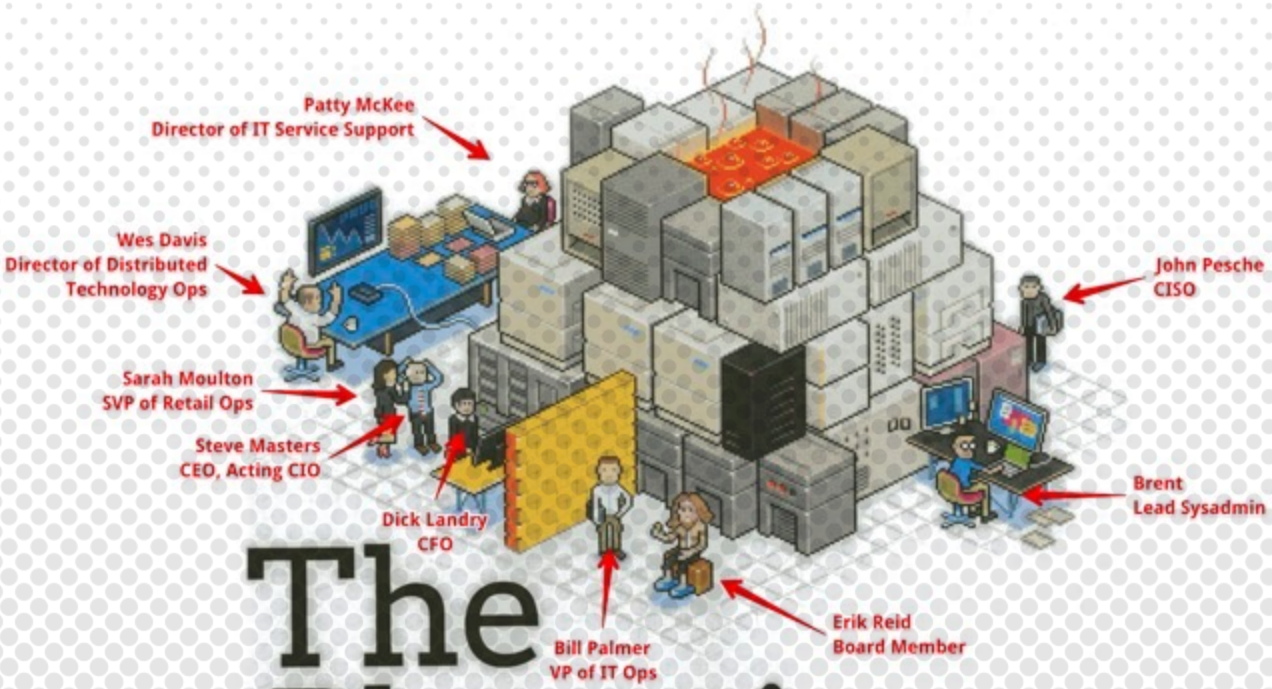

The Phoenix Project

NOT A SINGLE DEVELOPER!

Google

what is devops

About 350,000,000 results (0.40 seconds)

Amazon.com
https://aws.amazon.com › devops › what-is-devops

What is DevOps? - DevOps Models Explained

DevOps is **the combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at** ...

AWS DevOps Competency · What is Continuous Integration?

Atlassian
https://www.atlassian.com › devops

What is DevOps?

DevOps is **a set of practices, tools, and a cultural philosophy that automate and integrate the processes between software development and IT teams**.

GitLab
https://about.gitlab.com › topics › devops

What is DevOps?

DevOps is **a combination of software development (dev) and operations (ops)**. It is defined as a software engineering methodology which aims to integrate the work ...

Continuous Delivery (CD): Continuous deliver…
Agile: Agile development means taking iter…
Continuous Integration (CI): The practice of re...
Version control: The fundamental practice o…

DevOps explained · The four phases of DevOps · The DevOps lifecycle and how...

Microsoft
https://learn.microsoft.com › en-us › what-is-devops

What is DevOps?

Jan 25, 2023 — DevOps **enables coordination and collaboration between formerly siloed roles like development, IT operations, quality engineering, and security**.

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DEVOPS?
OPS!

Y THO...

As a Linux system administrator, how do I shift my career to DevOps?

Disha Rathod
DevOps Online Trainer (2013–present) · 5y

Hi,

Being a Linux administrator will help you to easily get started with DevOps because it starts with learning Linux fundamentals, DevOps also includes cloud computing concepts like AWS. More importantly DevOps is all about tools, it comes with hundreds of tools. Gits, Chef, Maven, Jenkins, Puppet, Docker are modern and most popular DevOps tools.

So in order to move into DevOps industries you should have prominent knowledge following concepts

1. Linux Fundamental; Shell Scripting
2. Cloud Computing (AWS)
3. DevOps Fundamentals
4. Software Development Life Cycle
5. Continuous Integration, Deployment, and Delivery.

Ops Tools: G ef, Maven, J t, Docker e

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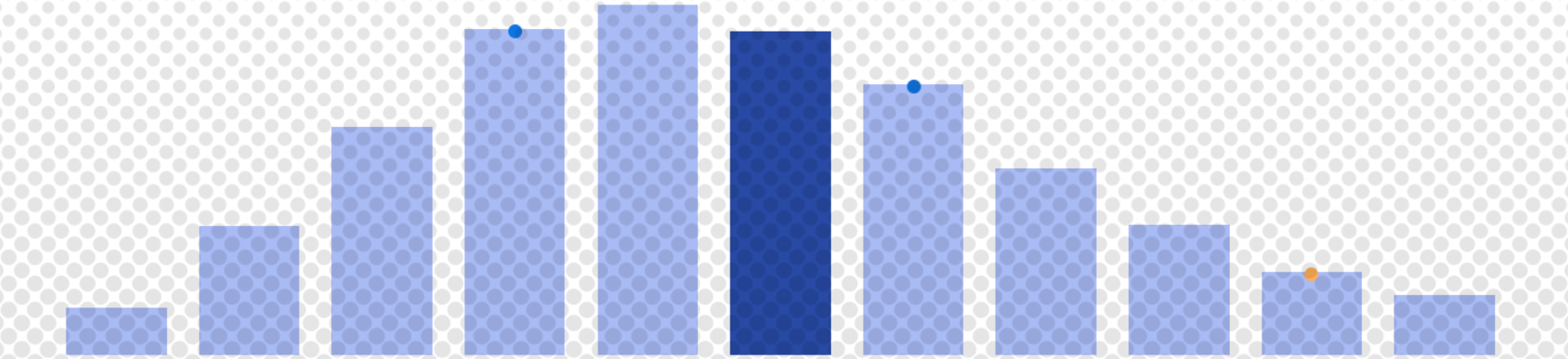
System Administrator Salary

Yearly | Monthly | Weekly | Hourly | Table View

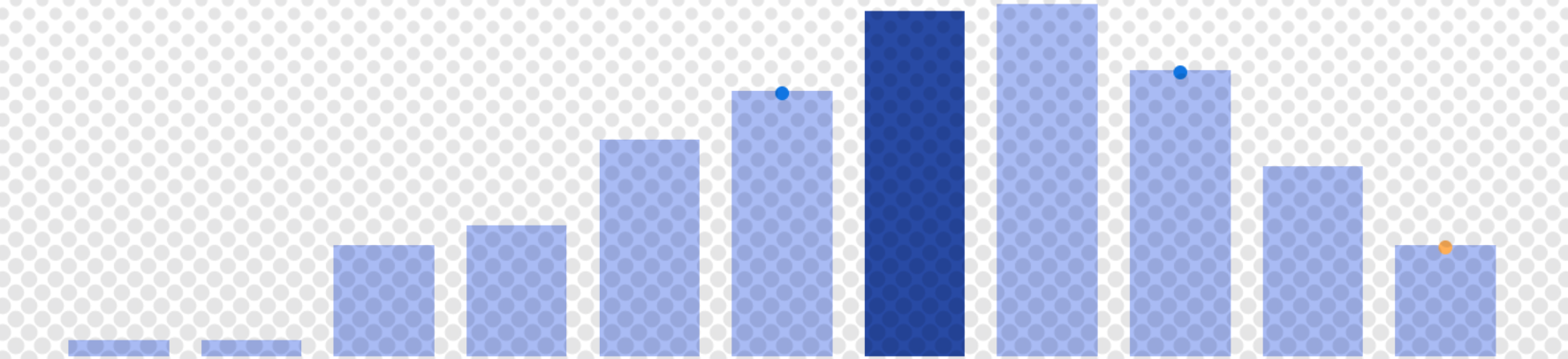


$76,644 /year

$37 /hour

Devops Engineer Salary

Yearly | Monthly | Weekly | Hourly | Table View



$127,036 /year

$61 /hour

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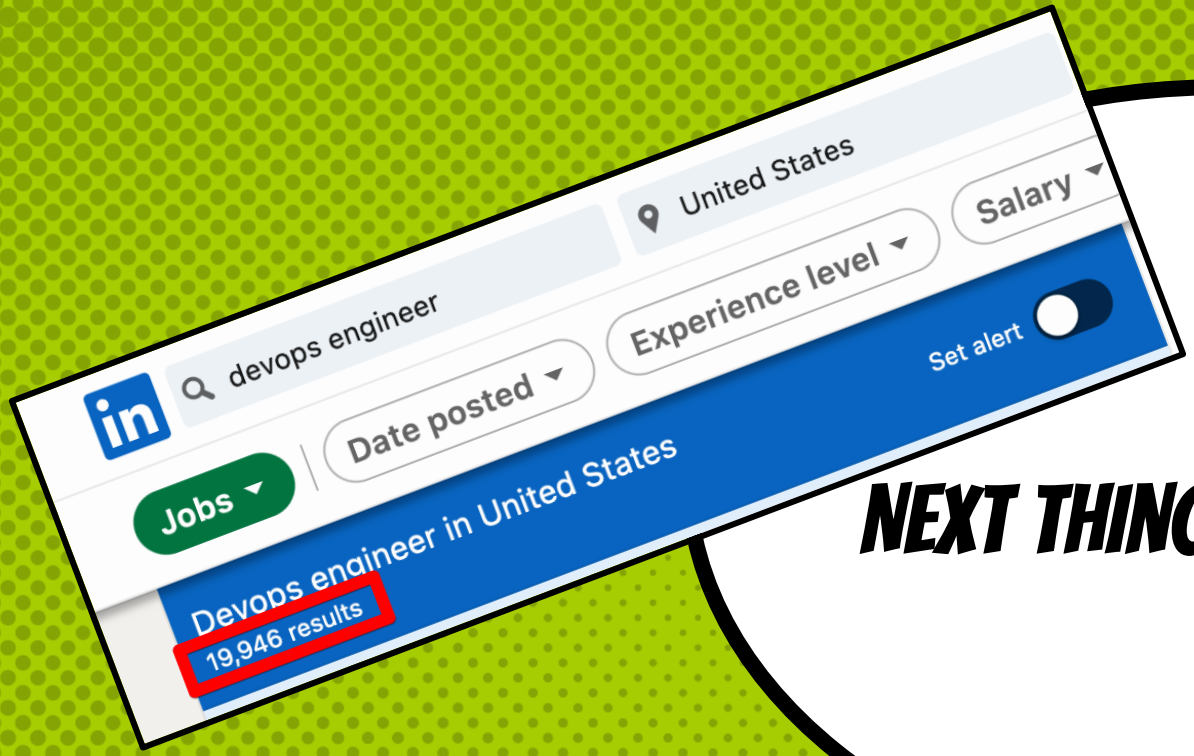

NEXT THING YOU KNOW...

aws
Products
Solutions
Pricing
Documentation
Learn
Partner Network
AWS Marketplace
Customer Enablement
Events
Explore More
Contact Us
Support
Training and Certification
Get Trained
Get Certified
Develop Your Team
AWS Partner Training
AWS Certified DevOps Engineer - Professional
Learn more about this certification and AWS resources that can help you prepare
Schedule an exam
Explore exam prep

AND THIS:

RAGE!

(BUT WE'LL GET TO IT LATER)

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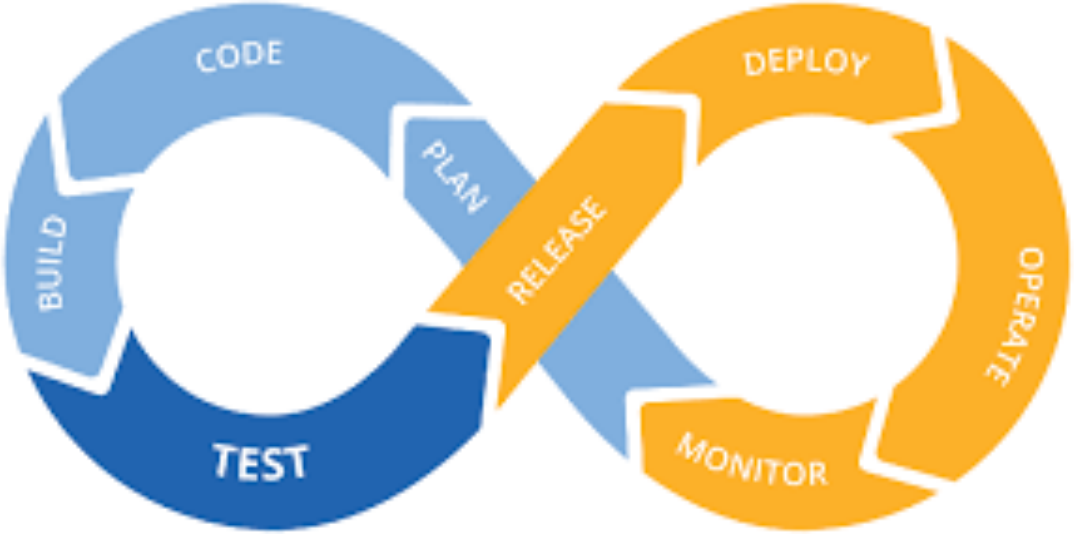
BBC NEWS | MUNDO
Parrot learns how to ask “Why?” repeatedly and is promoted to Engineering Manager


CODE
PLAN
BUILD
TEST
RELEASE
DEPLOY
OPERATE
MONITOR

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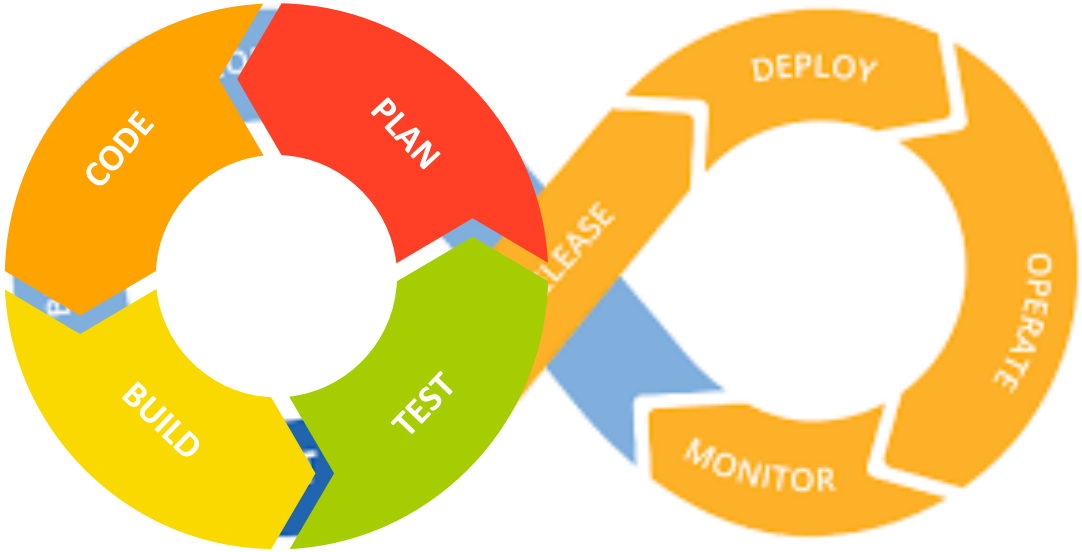
#DPE
@DEV2NEXT
SPEAKING.JBARU.CH

AGILE!


CODE
PLAN
BUILD
TEST
RELEASE
DEPLOY
OPERATE
MONITOR

DEVOPS RESEARCH & ASSESSMENT

Google Cloud

Accelerate State of DevOps Report 2023

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Time Spent	Elite	High
NEW WORK	**50%**	**50%**
Unplanned work and rework	19.5%	20%[a]
Remediating security issues	5%	5%[b]
Working on defects identified by end users	10%	10%[c]
Customer support work	5%	10%

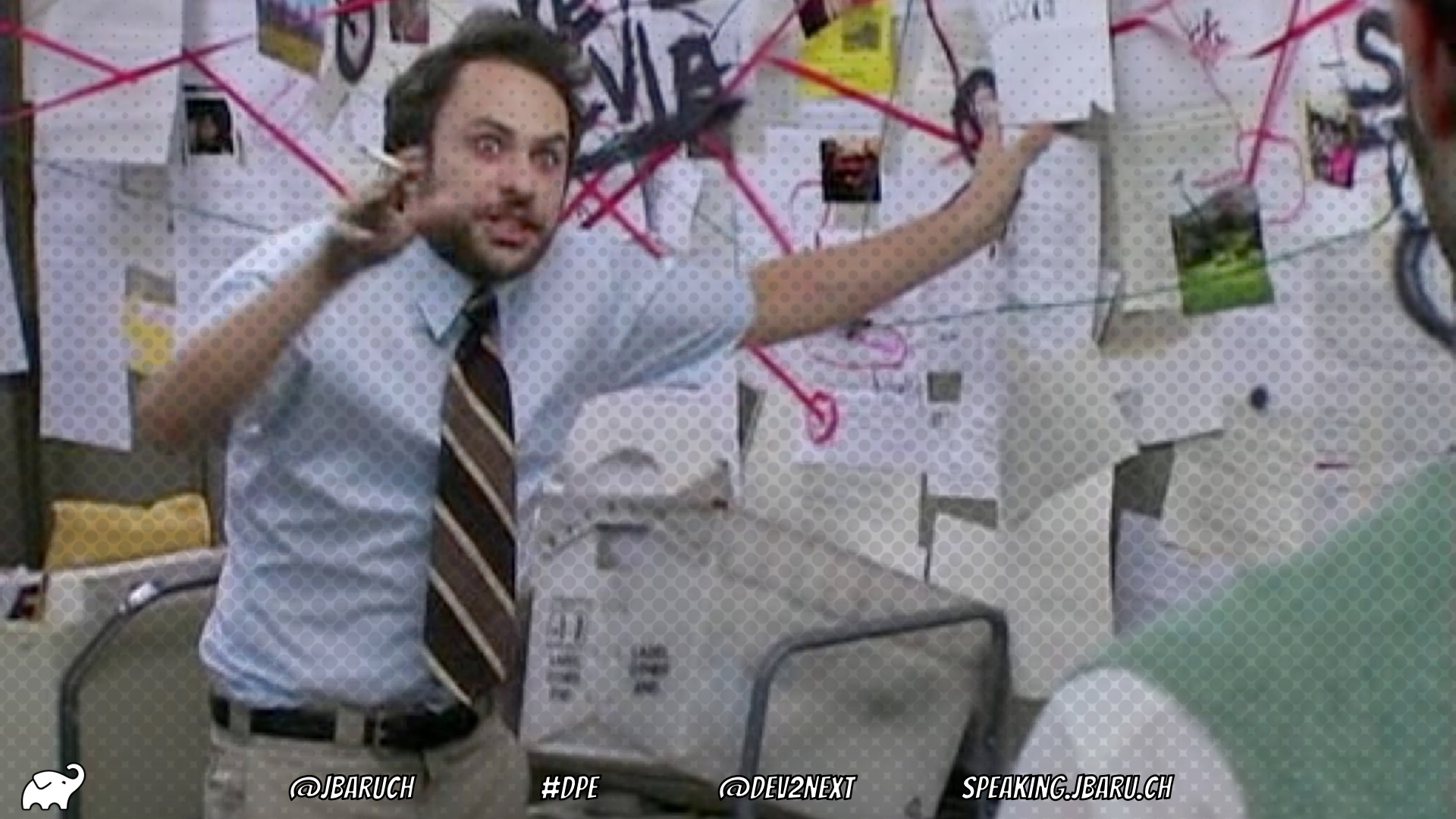
Types of Work According to DevOps

Planned Work	Business projects or new features
Internal Projects	Server migrations, software updates and so on
Changes	Driven by feedback on completed work
Unplanned Work	Support escalations and emergency outages

SO FASCINATING...

Types of work according to developers

New Features	Writing code
Refactoring	Writing code
Bug Fixes	Writing code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SPEAKING.JBARU.CH

Manifesto for Software Craftsmanship

Raising the bar.

As aspiring Software Craftsmen we are raising the bar of professional software development by practicing it and helping others learn the craft. Through this work we have come to value:

Not only working software,
but also **well-crafted software**

Not only responding to change,
but also **steadily adding value**

Not only individuals and interactions,
but also **a community of professionals**

Not only customer collaboration,
but also **productive partnerships**

That is, in pursuit of the items on the left we have found the [illegible] on the right [illegible] indispensable.

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#DPE
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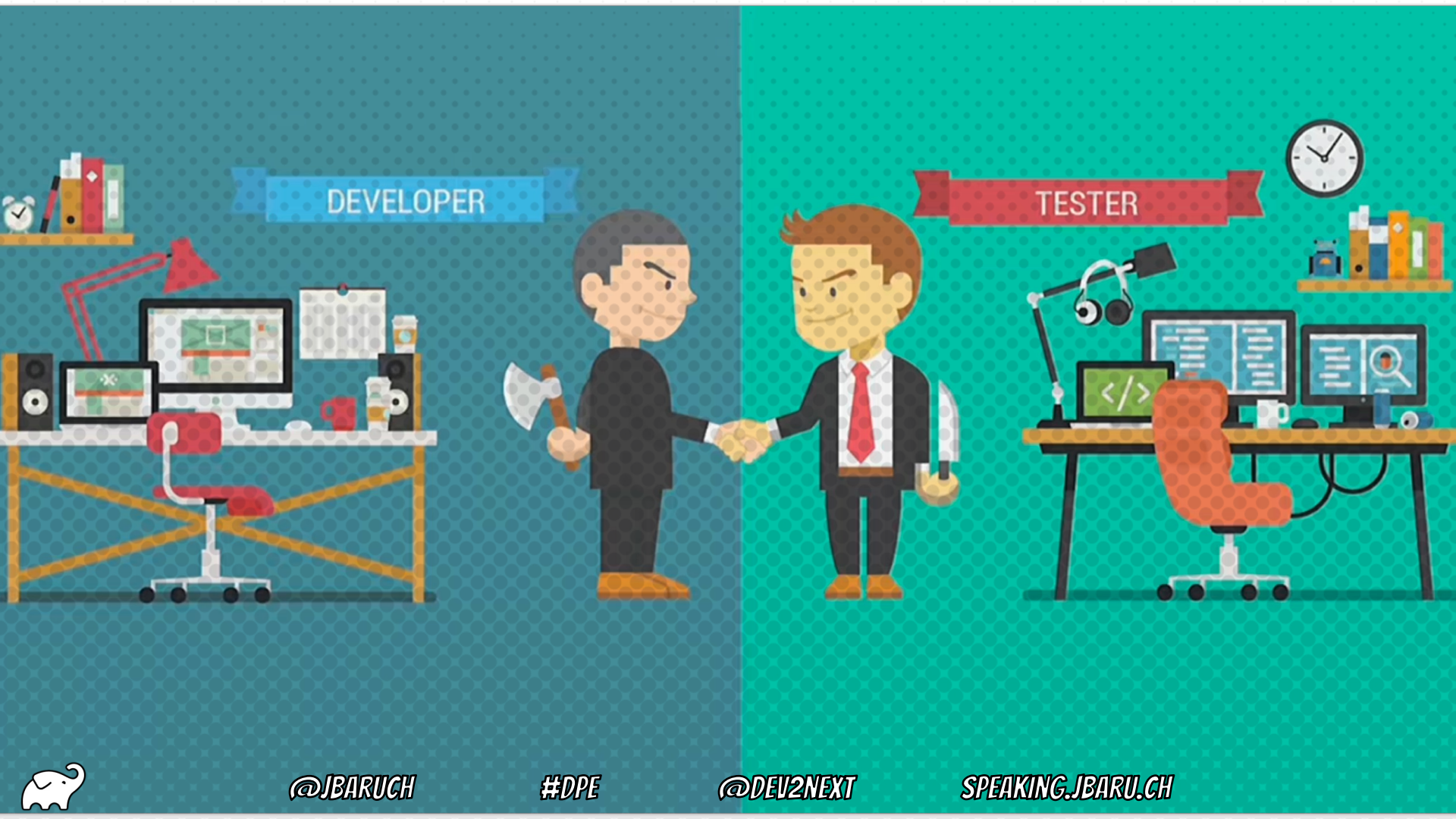
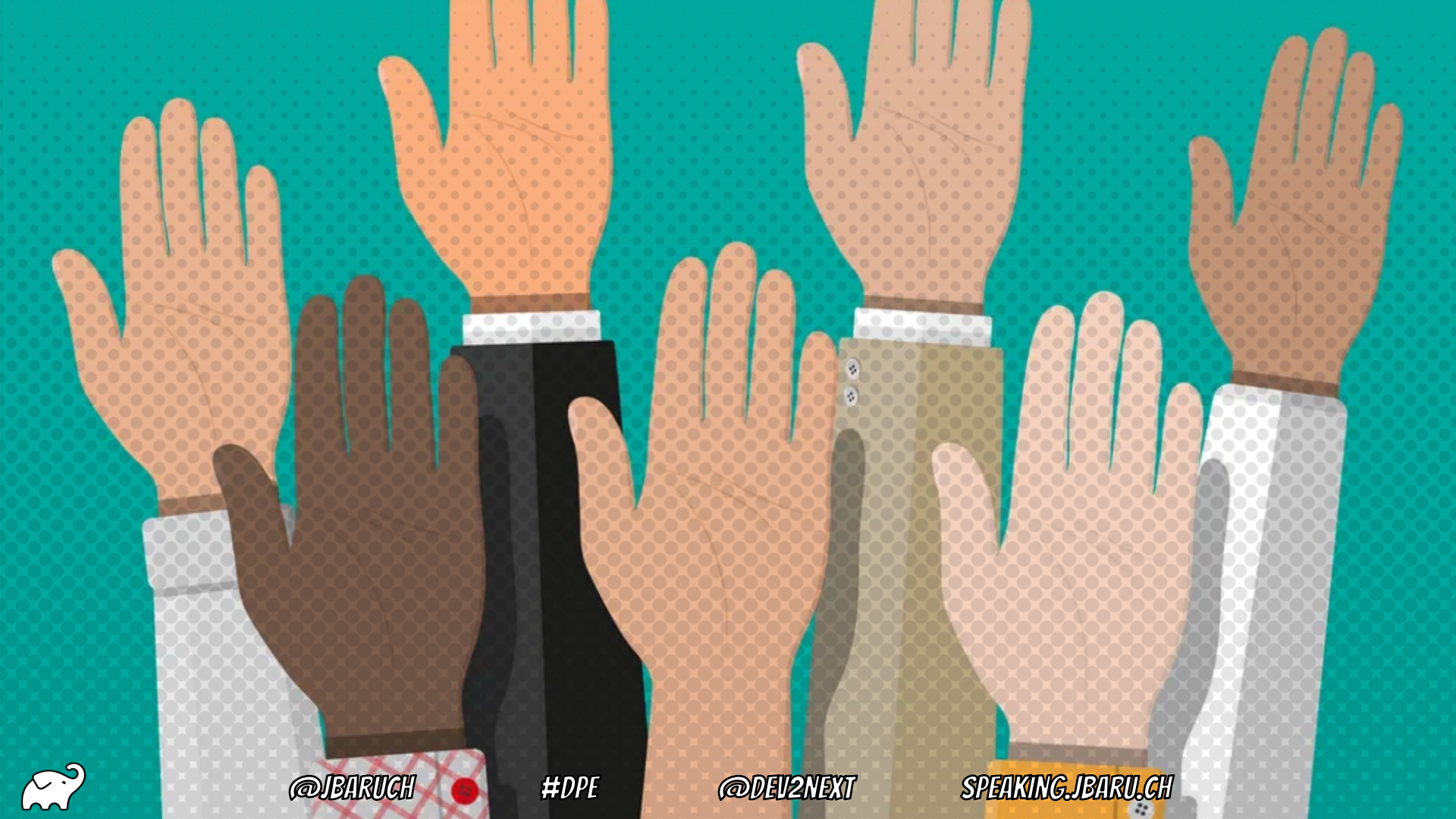
SPEAKING.JBARU.CH

Software craft-person definition of done

- × We got what they want
- × Clear code
- × Easy to deploy
- × Non-func reqs – ✓
- × No new tech dept
- × Tests – ✓
- × QA are happy
- × Team lead is happy
- × Product owner is happy – (i.e. customer is happy)


DEVELOPER
TESTER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TRACTORMEN, IMPROVE THE QUALITY OF TRACTOR-TRAILER TRACKING!

INTERNET ARCHIVE

WayBack Machine

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CHASE

You could win $10,000 simply by logging on to Chase.com. Details

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Start banking online now

Get a User ID

GO

Returning Users: Log On

User ID:

Password:

Remember my User ID

Forgot User ID/Password?

Log On

Personal Banking

- Checking
- Credit Cards
- Savings
- CDs
- Debit Cards
- Online Banking & Bill Pay

Business

- Business Banking Revenues up to $10MM
- Commercial Banking Revenues over $10MM
- Business Credit Cards

Personal Lending

- Home Equity Loans & Lines
- Mortgage
- Auto/Vehicle Loans
- Student Loans

Insurance & Investing

- Insurance
- Investing
- Retirement Planning

Get the Details

Tell me about...

- Premier Platinum Banking Exclusive banking and investment benefits for clients with higher balances

News & Announcements

- U.S. Armed Forces Overseas Please contact us if you need assistance with your Chase accounts.
- Chase offers Zero-Fees! For academic year 2007-2008 the origination fee will be paid on all Federal Stafford Loans that Chase funds directly to students.
- Fair Lending & HMDA Data
- Chase Clear & Simple Expands

12 HOURS MAINTENAN
FOR WEBSITE UPDATE
TO ENSURE QUALITY

Security Center Highlights

Chase helps keep you safe and informed.

- Enhanced online security to help prevent fraud.
- Scams involving advance fees and cashier's check.
- Online fraud and e-mail scams
- Ways we protect you
- How you can protect yourself

Enter the Chase "Log On to Cash In" Sweepstakes.

DETAILS

GET MORE CASH BACK.

Click to LEARN MORE.

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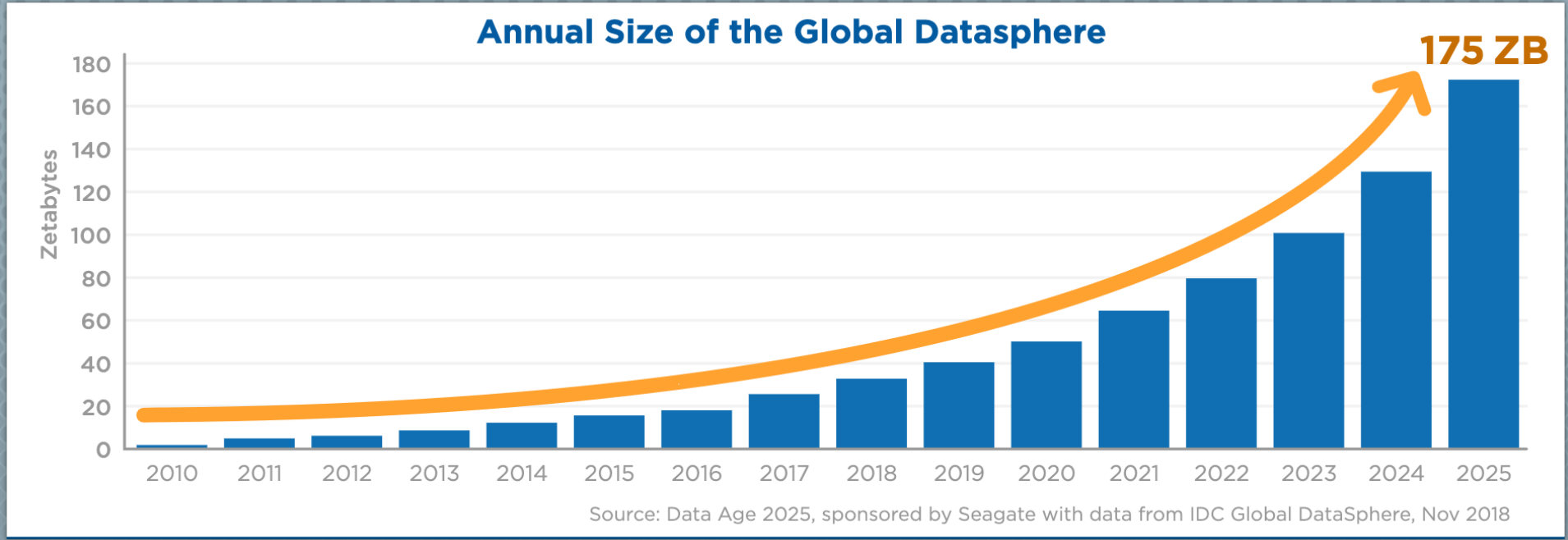
CODE QUALITY IS NOT ENOUGH



STAGING SERVER
JOLLY WHERE THE TIMES
WHEN WE COULD TEST EVERYTHING
BEFORE DEPLOYING TO PRODUCTION
1985 - 2015

WHAT DO WE DO?!

PROGRESSIVE DELIVERY
CONTROLLED ROLLOUT
CANARY DEPLOYMENTS
FEATURE FLAGS
OBSERVABILITY
ROLLBACKS
BLAST RADIUS
ON-CALL
@JBARUCH
#DPE
@DEV2NEXT
SPEAKING.JBARU.CH

PRODUCTION STEAMS ITS WAY TO THE DEVELOPERS!

WELCOME TO ON-CALL!
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#DPE
@DEV2NEXT
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Software craft-person definition of done

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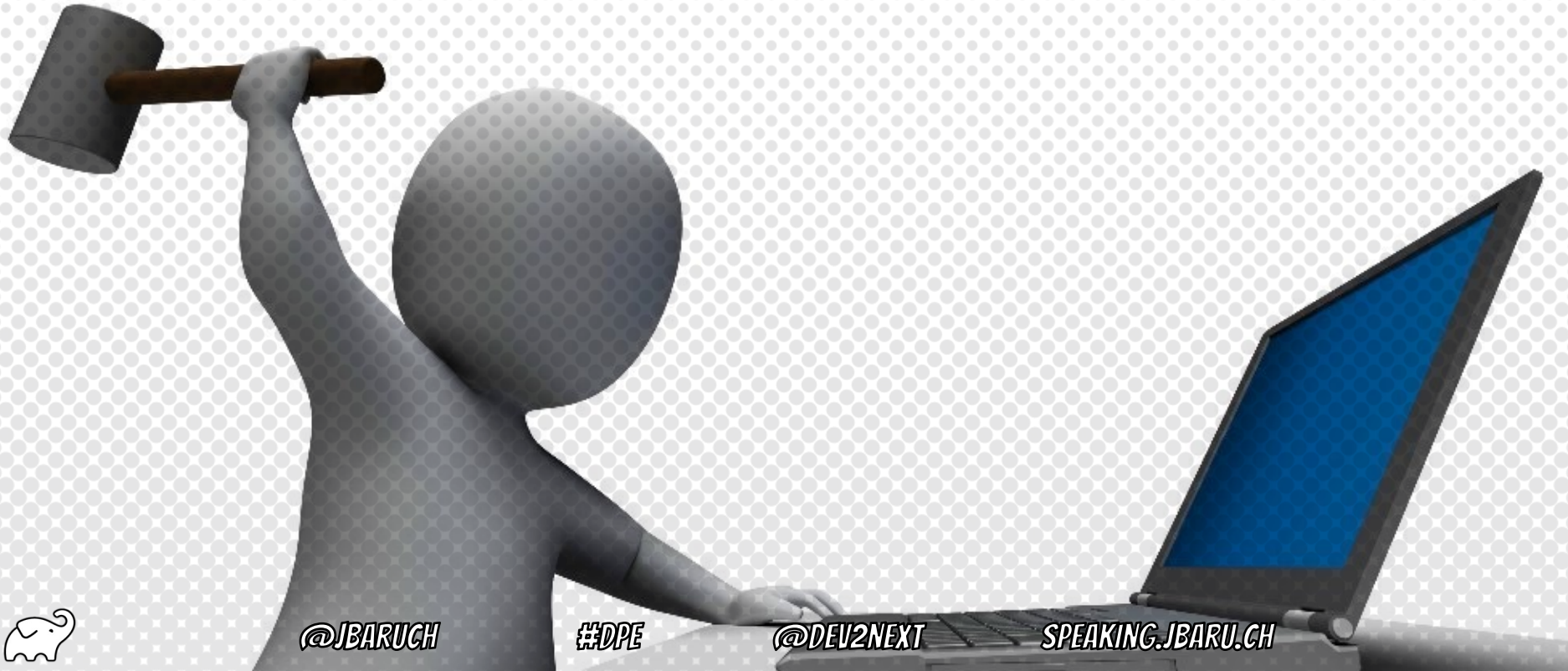
- × Tests – ✓
- × QA are happy
- × Team lead is happy
- × Product owner is happy – (i.e. customer is happy)
- × DevOps are happy

WHO IS THIS "DEVOPS" PERSON?!

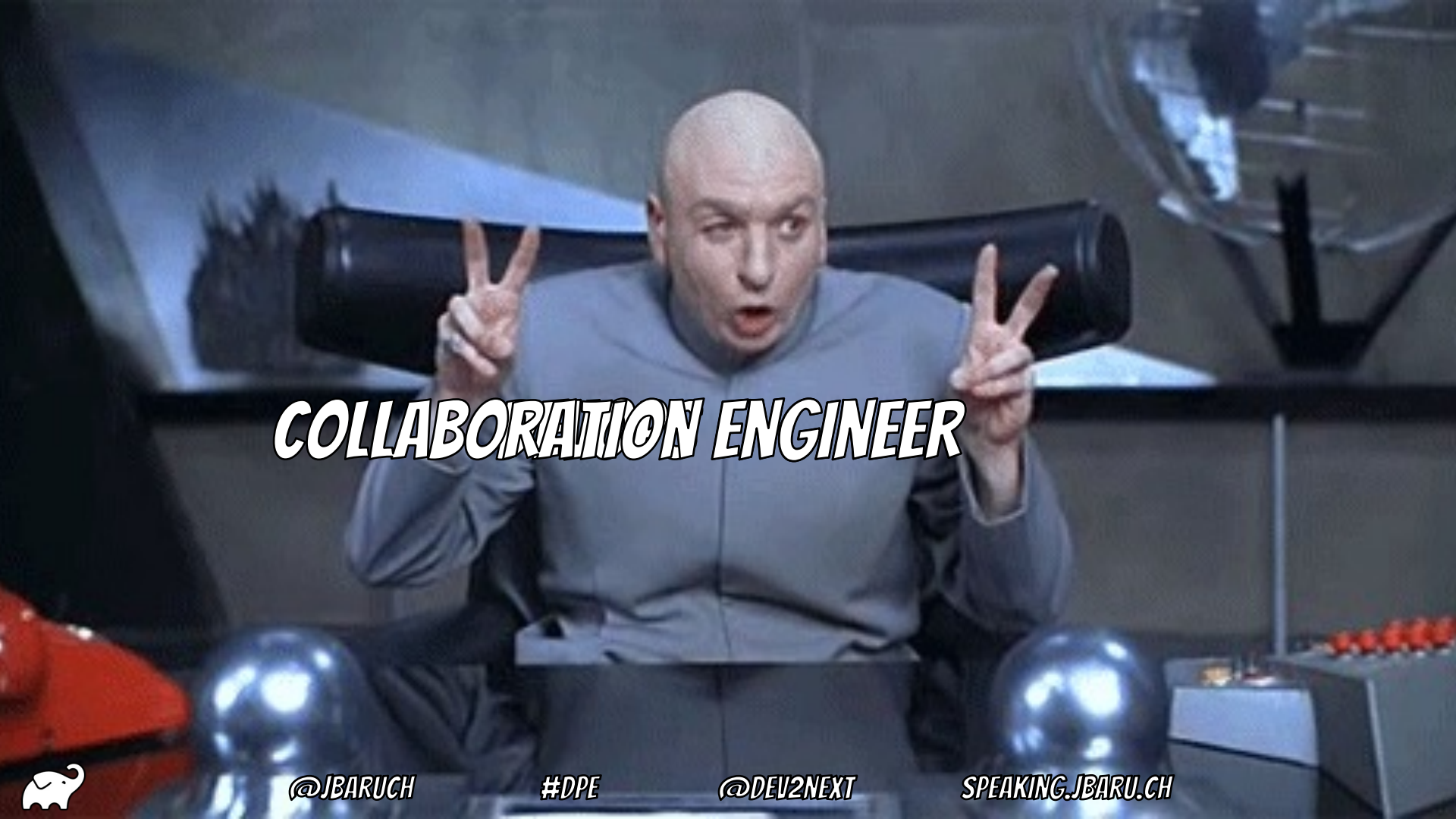


HELLO!

I am Baruch and I have an obsession

HOT TAKE:

"DEVOPS ENGINEER" IS NOT A THING


COLLABORATION ENGINEER
@JBARUCH
#DPE
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WHAT YOU SEE WHEN
YOU HEAR THE TERM
"DEVOPS TEAM"
@JBARUCH
#DPE
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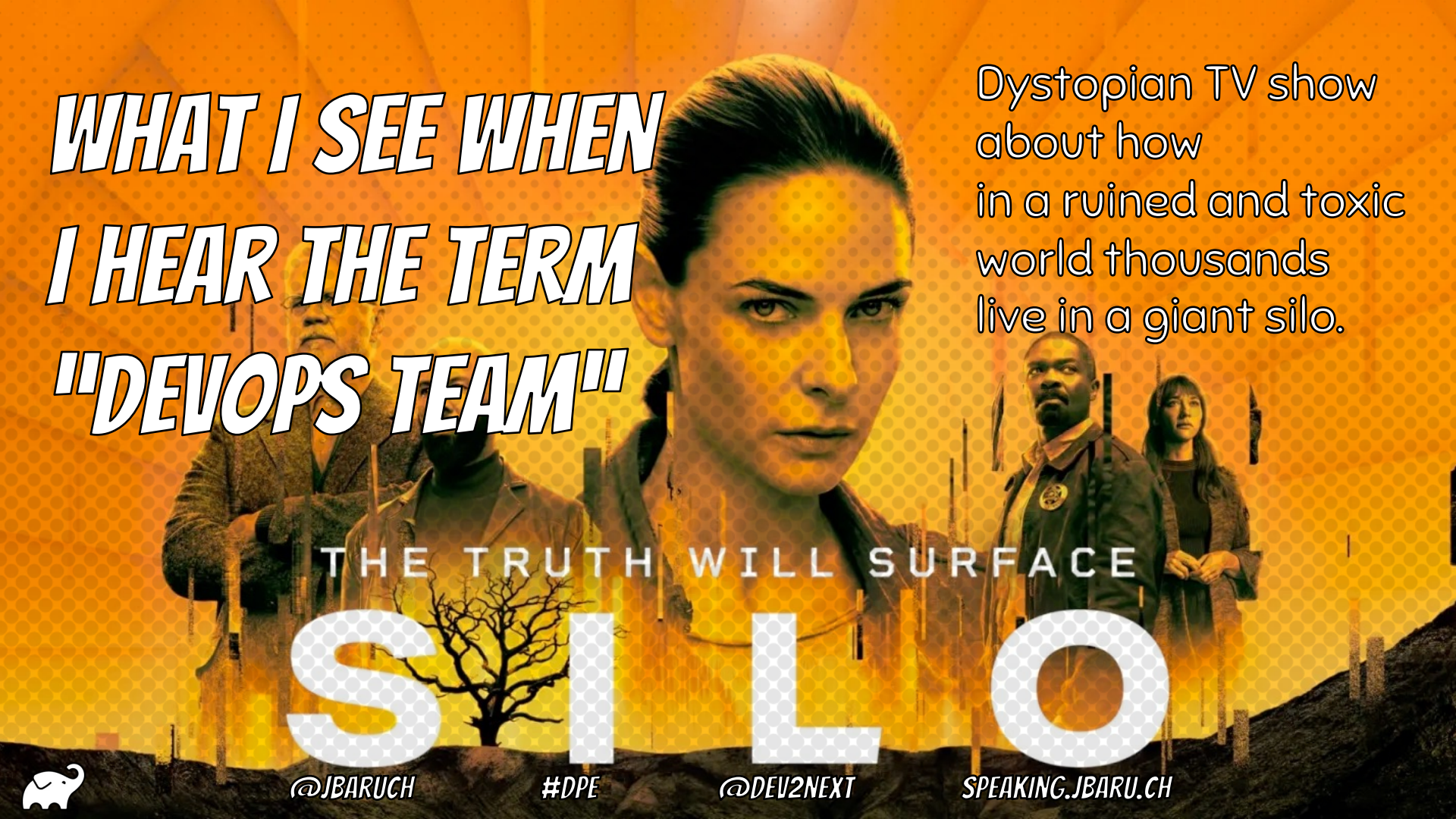
WHAT I SEE WHEN I HEAR THE TERM "DEVOPS TEAM"



Dystopian TV show about how in a ruined and toxic world thousands live in a giant silo.

LET'S BREAK DOWN THIS SILO!

THE RISE OF THE DEVDEVOPS!

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Engineering Aspect of DevOps

Jokes Aside

Class SRE implements DevOps.

NO ONE WANTS TO BE A "SITE RELIABILITY ENGINEER"
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#DPE
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WELCOME TO OUR NEW LORD
AND SAVIOR:
"PLATFORM ENGINEERING"!

"DEVOPS ENGINEERS ARE REBRANDING THEMSELVES AS PLATFORM ENGINEERS"

Scott Shaw
Chief Technology Officer,
APAC, Thoughtworks

EVERYBODY WANTS TO BE A
"PLATFORM ENGINEER"
@JBARUCH
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platform engineering and devops

Images | News | Jobs | Job description | Videos | Salary | Shopping | Maps | Books

About 33,800,000 results (0.41 seconds)

The New Stack
https://thenewstack.io › Blog

How Is Platform Engineering Different from DevOps and ...

Sep 16, 2022 — **Platform engineering** is the next stage of the **DevOps** evolution. It encompasses the best intentions of the cultural shifts that came before it.

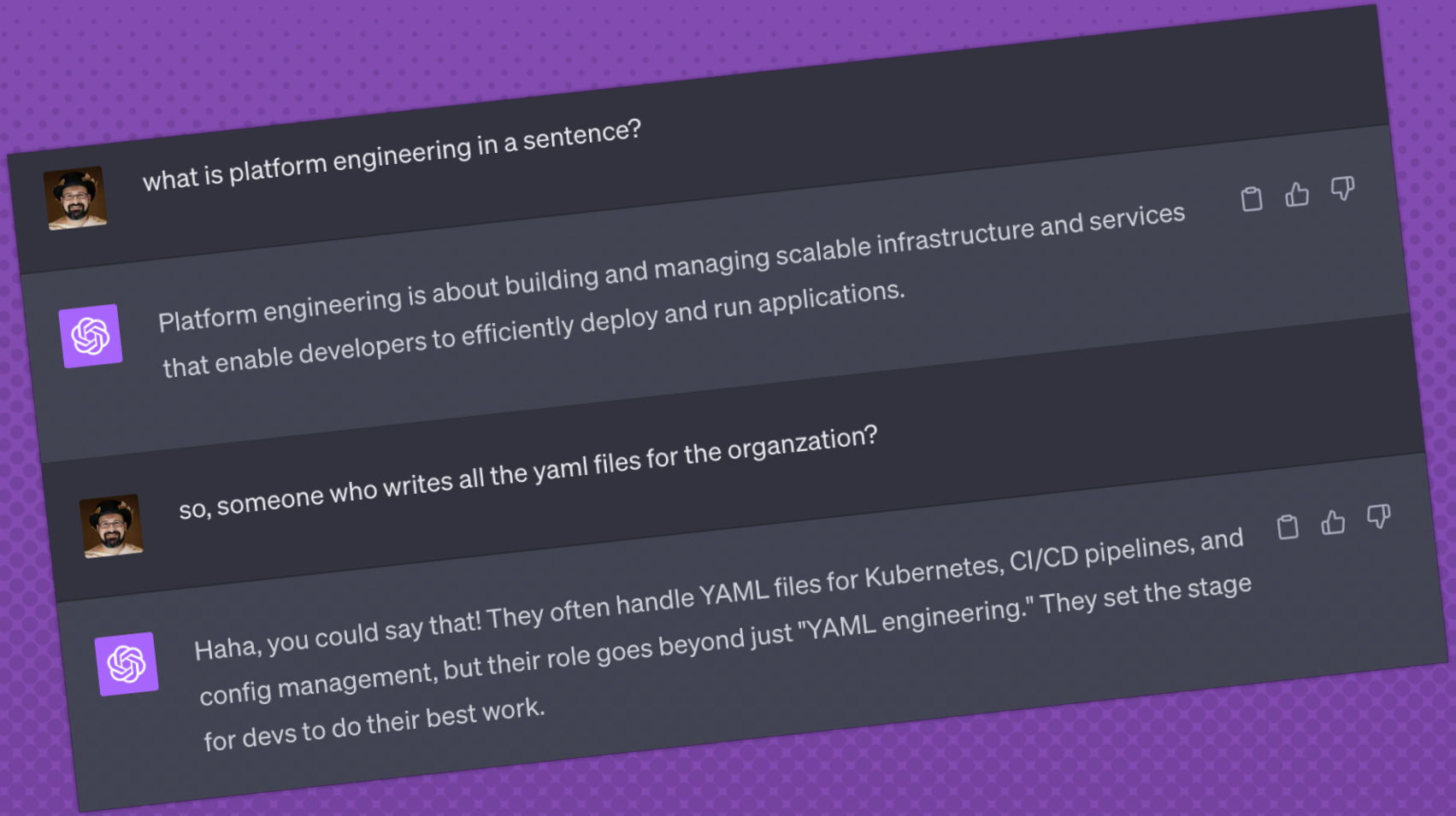
TechTarget
https://www.techtarget.com › searchitoperations › tip › Pl...

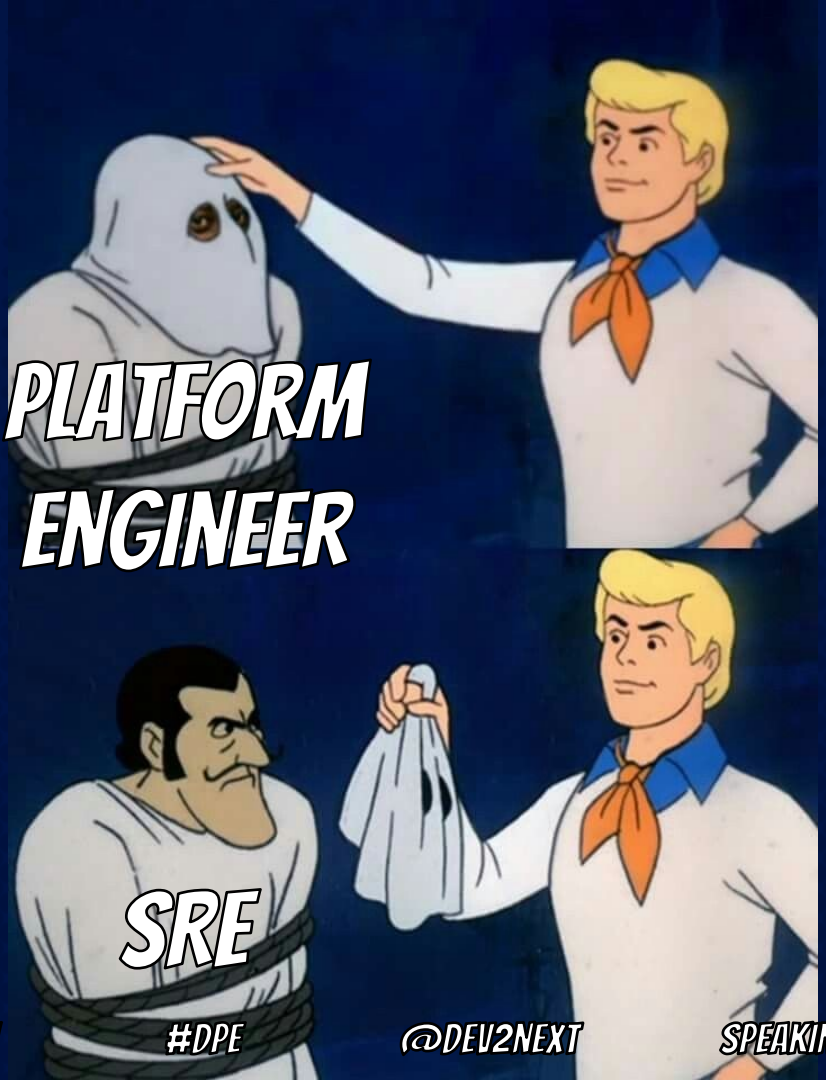
Platform engineering vs. DevOps: What's the difference?

Apr 13, 2023 — **DevOps** teams create the software, with a focus on accelerating delivery and enhancing quality, whereas **platform engineers** implement and manage ...

People also ask

Is p[illegible]neer same a[illegible]Ops?


what is platform engineering in a sentence?
Platform engineering is about building and managing scalable infrastructure and services that enable developers to efficiently deploy and run applications.
so, someone who writes all the yaml files for the organzation?
Haha, you could say that! They often handle YAML files for Kubernetes, CI/CD pipelines, and config management, but their role goes beyond just "YAML engineering." They set the stage for devs to do their best work.


PLATFORM ENGINEER
SRE

SOFTWARE CRAFT-PERSON DEFINITION OF DONE

- × We got what they want
- × Clear code
- × Easy to deploy
- × Non-func reqs – ✓
- × No new tech dept
- × Tests – ✓
- × QA are happy
- × Team lead is happy
- × Product owner is happy – (i.e. customer is happy)
- × PEs are happy

What makes platform engineers happy

- Modular
- Deployable
- Observable
- Scalable
- Upgradable
- Downgradable

@JBARUCH
#DPE
@DEV2NEXT
SPEAKING.JBARU.CH

The Twelve Factors

I. Codebase
One codebase tracked in revision control, many deploys

II. Dependencies
Explicitly declare and isolate dependencies

III. Config
Store config in the environment

IV. Backing services
Treat backing services as attached resources

V. Build, release, run
Strictly separate build and run stages

VI. Processes
Execute the app as one or more stateless processes

VII. Port binding
Export services via port binding

VIII. Concurrency
Scale out via the process model

IX. Disposability
Maximize robustness with fast startup and graceful shutdown

X. Dev/prod parity
Keep development, staging, and production as similar as possible

XI. Logs
Treat logs as event streams

XII. Admin processes
Run admin/management tasks as one-off processes

WELCOME TO DEVOPS!
@JBARUCH
#DPE
@DEV2NEXT
SPEAKING.JBARU.CH

HOT TAKE:

WE FIGURED THE "DEVOPS" SHIT OUT. DONE.

@JBARUCH
#DPE
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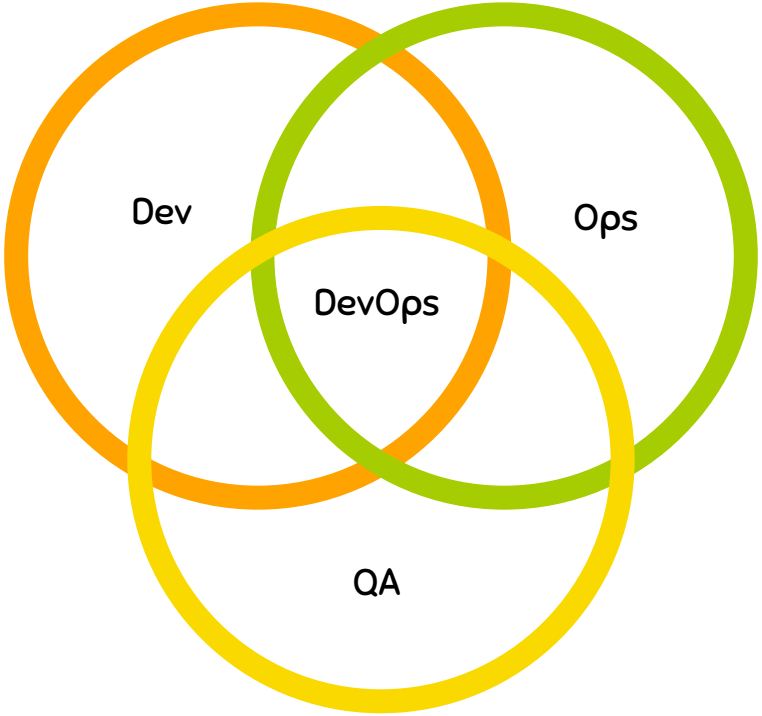
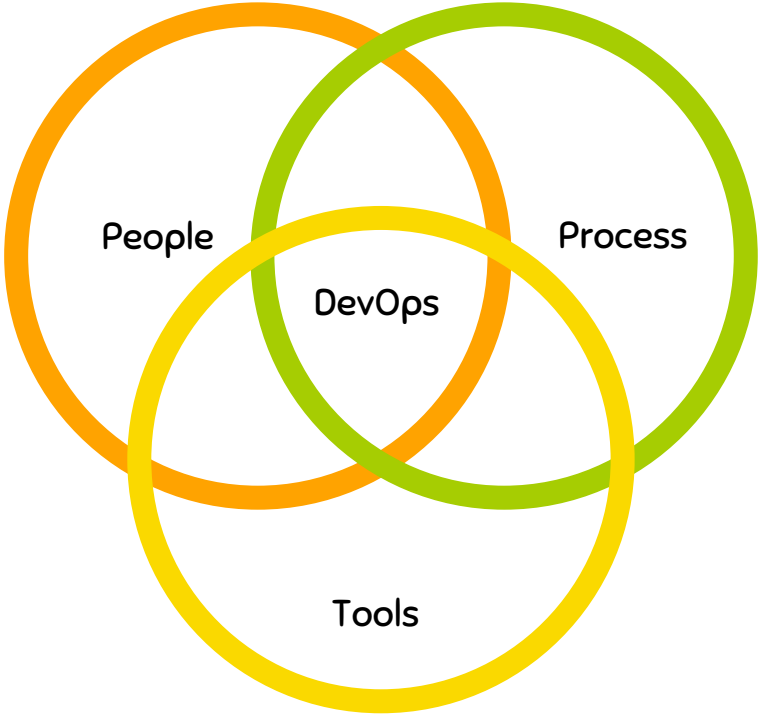
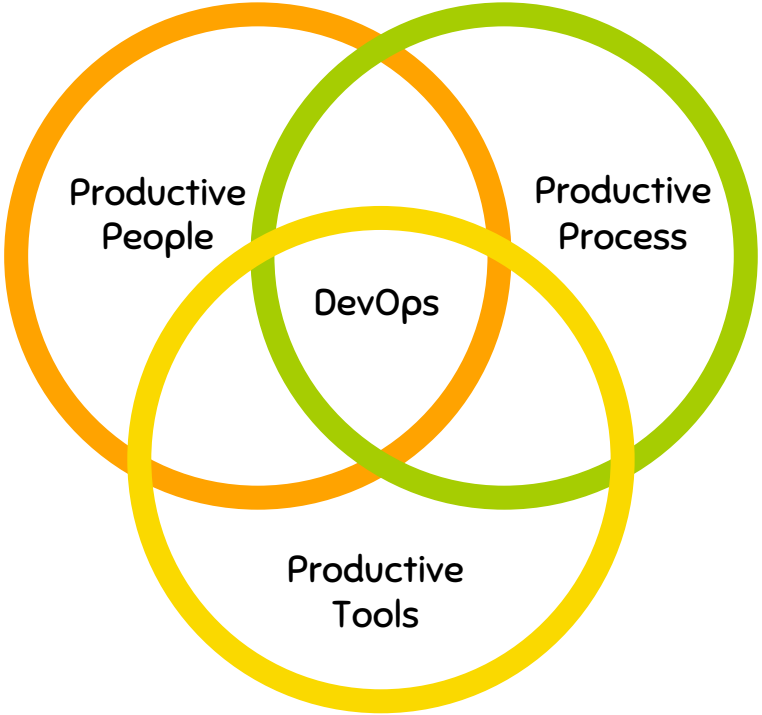
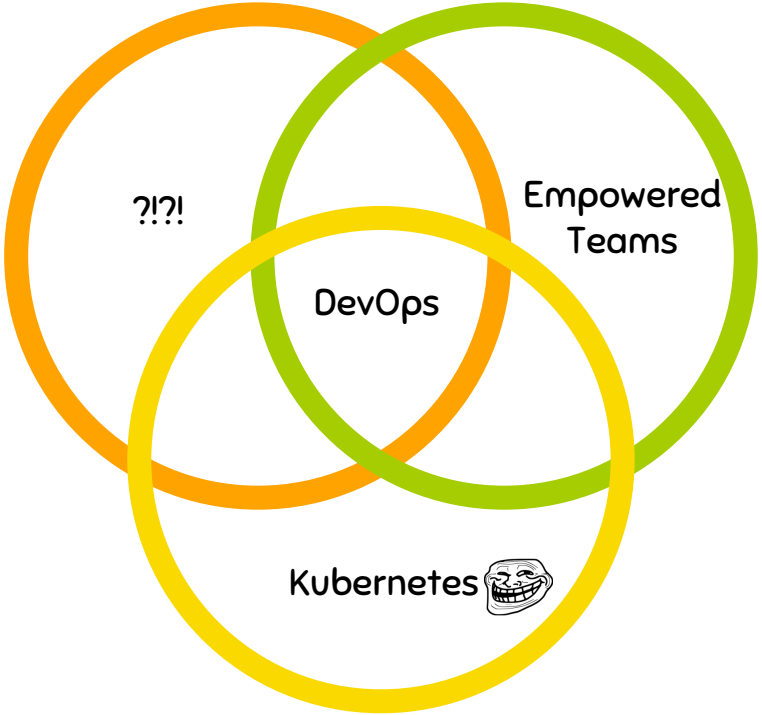
10 YEARS OF TRYING... AND DEVELOPERS STILL AREN'T EXCITED ABOUT DEVOPS

HOW DO WE GO FROM 😕 TO 😁 ?!


Dev
Ops
DevOps
QA


People
Process
DevOps
Tools


Productive
People
Productive
Process
DevOps
Productive
Tools


?!?!
Empowered Teams
DevOps
Kubernetes

THE PAIN IS REAL

Builds and Tests are Slow!

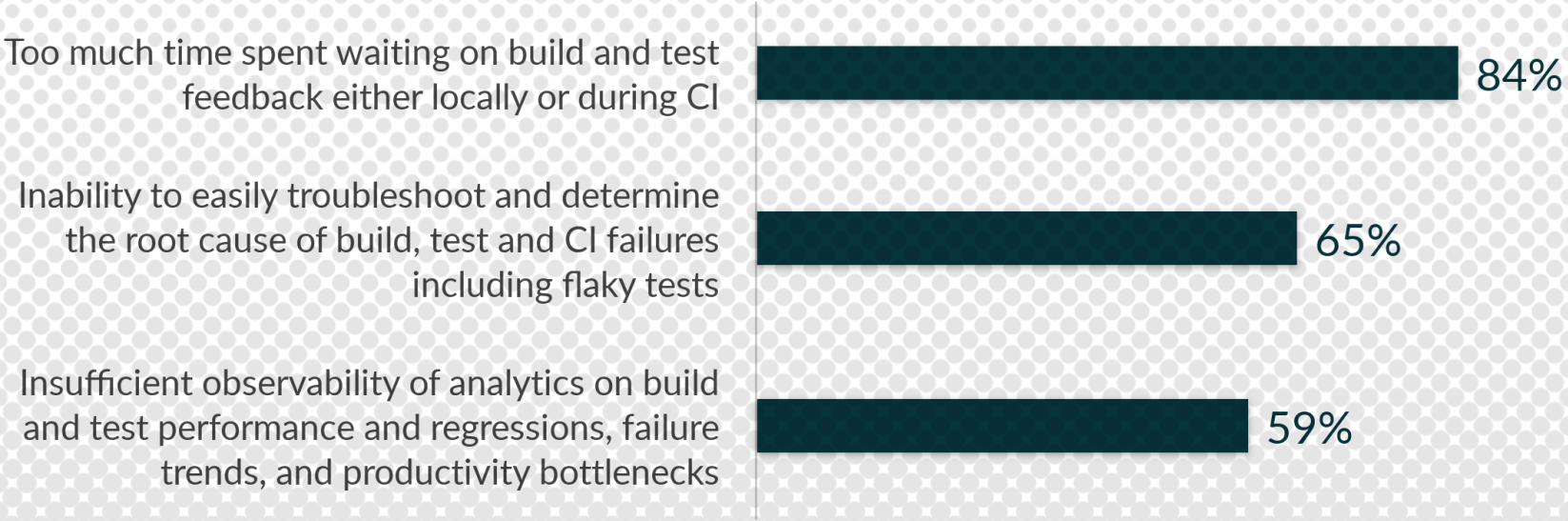
90% of surveyed IT organizations experienced challenges with too much time spent waiting on build and test feedback.

TechValidate
by SurveyMonkey

Validated Published: Sep. 25, 2023 TVID: AE3-632-6FE

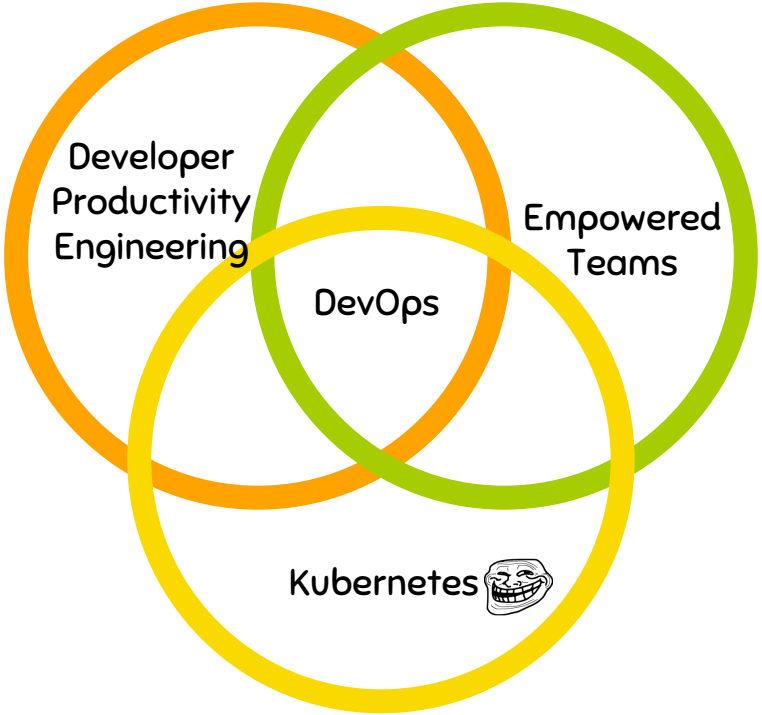
Development Pains are Widespread

Which of the following challenges or pain points did your organization experience prior to implementing Developer Productivity Engineering?



THE NEXT FRONTIER:

PRODUCTION SYSTEM OF YOUR PRODUCTION SYSTEMS


Developer
Productivity
Engineering
Empowered
Teams
DevOps
Kubernetes

DEVELOPER PRODUCTIVITY ENGINEERING

Foster Faster Feedback

Collaborate through Effective Tooling

Embrace Rigorous Observability for Proactive Improvement

Eliminate Toil for Developers

Prioritize Automation and Eliminate Bottlenecks

Dedicated Organizational Mindset

Outcomes Over Output

TALK IS CHEAP, SHOW ME THE GOODS!

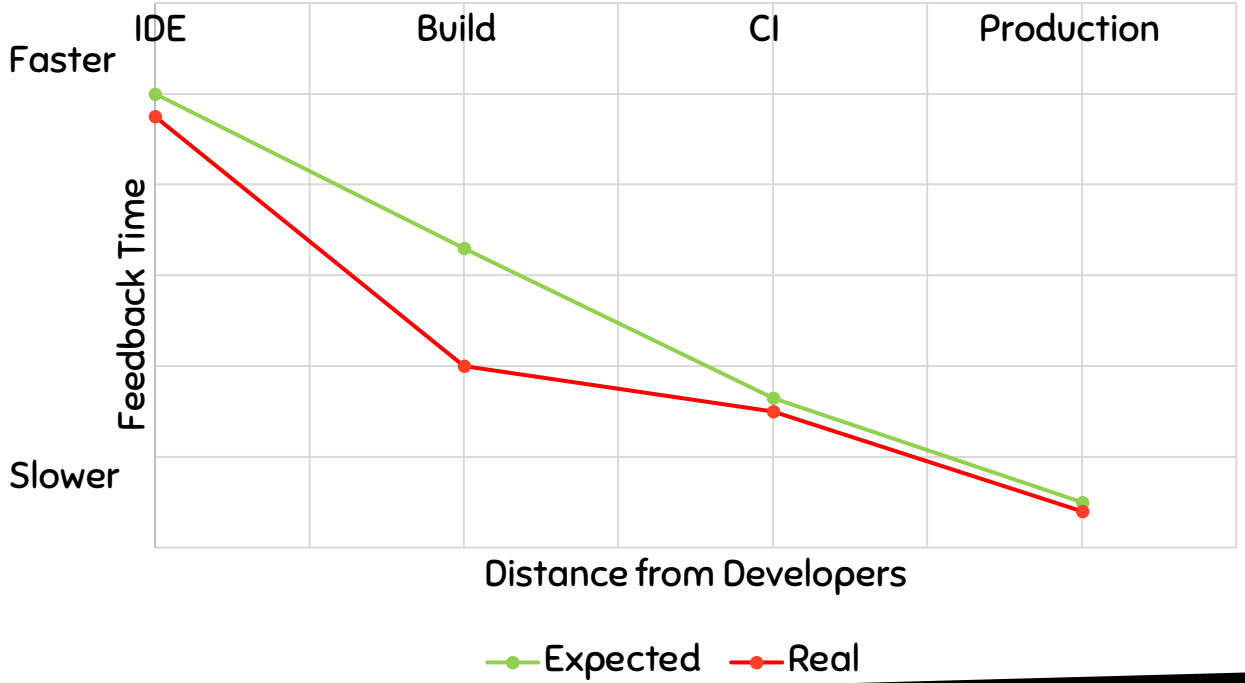
Small DPE Improvements Make a Huge Difference

- Generate code faster: Better IDE
- Test better: Testcontainers
- Enforce better code: Sonar
- Test more reliably: Flaky test detection
- Foster Faster Feedback:

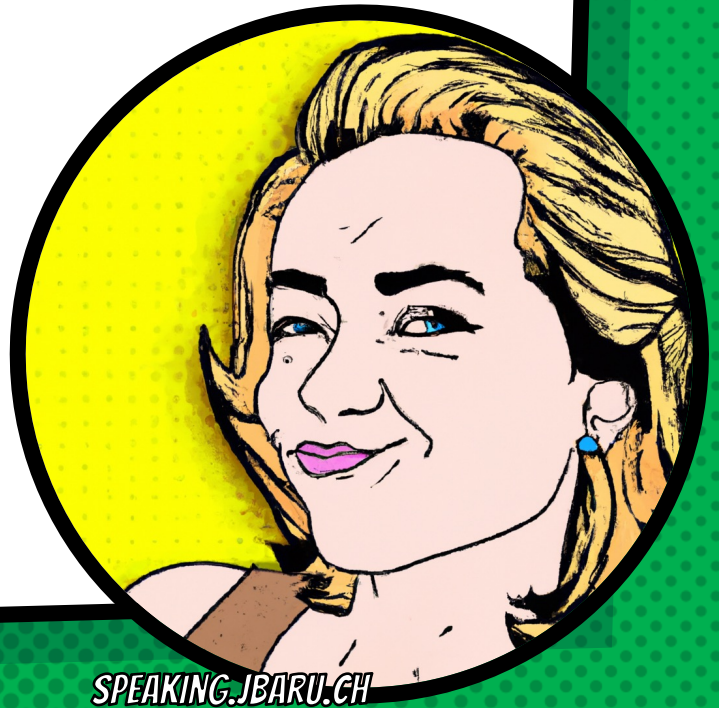
Feedback efficiency

- IDE: Sub-seconds (I type, it marks it red)
- Build: Seconds
- CI: Minutes
- Production: Hours/Days

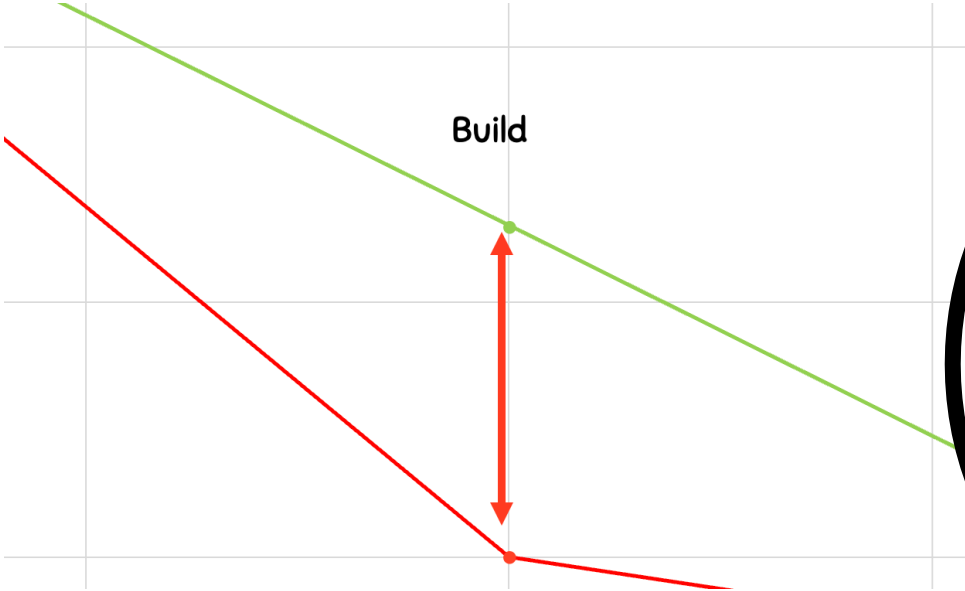
REVERSE DEPENDENCY ON DISTANCE FROM DEVELOPERS



THE #1 PROGRAMMER EXCUSE FOR LEGITIMATELY SLACKING OFF:
"MY CODE'S COMPILING."
HEY! GET BACK TO WORK!
COMPILING!
OH. CARRY ON.



IT IS SLOW!



https://www.bruceeckel.com/2021/01/02/the-problem-with-gradle/

stymied me. This is the problem I had with Gradle:

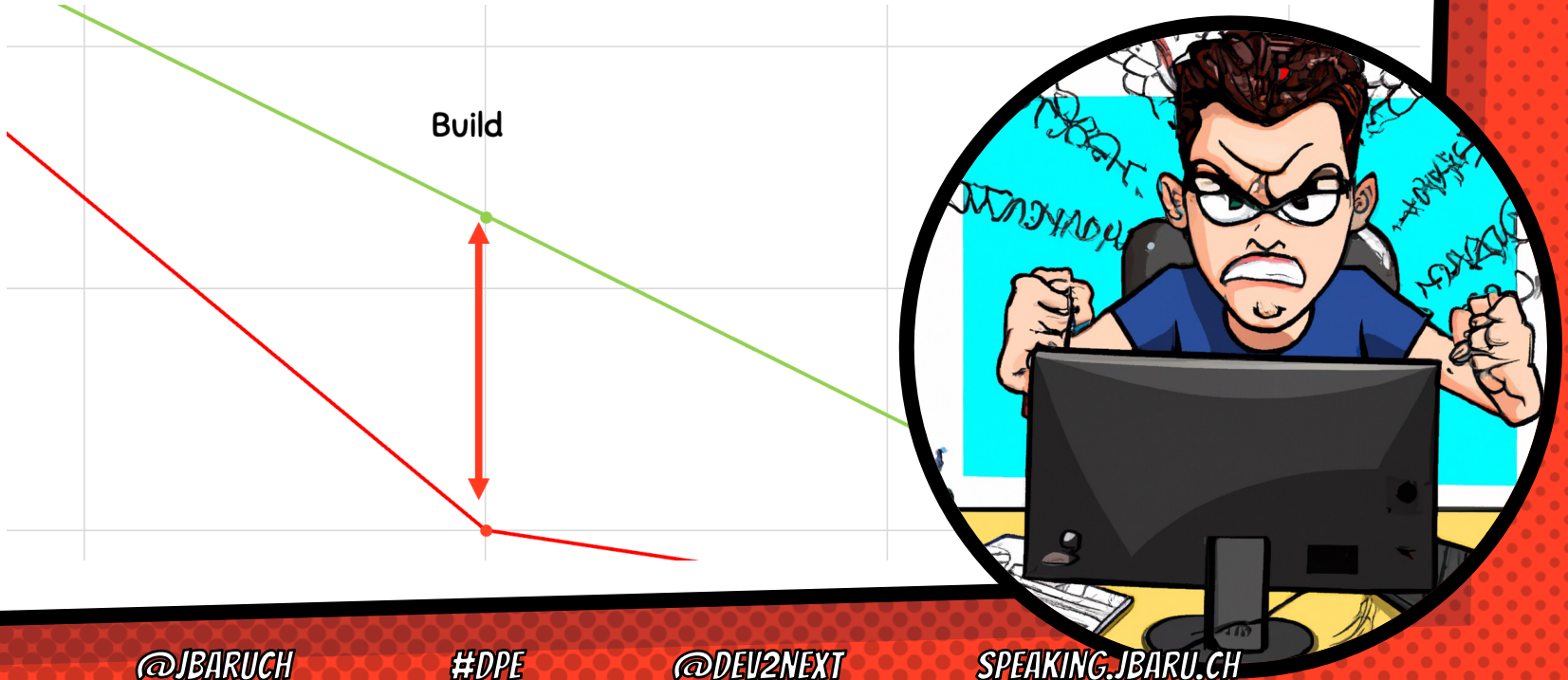
> ***To do anything you have to know everything***

Yes, it's hypothetically possible to create a simple `build.gradle` file for a basic build. But usually by the time you get to the point of *needing* a Gradle build, your problem is complicated enough that you must do more. And it turns out that "doing more" translates to "knowing everything." Once you get past the simple things you fall off a cliff.

Think of the grappling shoes in the very first episode of *Rick and Morty*. Rick explains that the shoes allow you to walk on vertical surfaces, so Morty puts them on and promptly falls down a cliff, after which Rick explains that "you have to turn them on." Gradle is my grappling shoes.

My goal here is to give you perspective, so as you fall down the cliff face you will understand what is happening, and what is necessary to climb back up.

IT IS SLOW AND THE DEVELOPERS HAVE NO IDEA WHY!



What is build?

- Project setup
- Downloading the Internet
- Artifact generation: Compilation, packaging, etc
- Tests
- Artifact deployment

What can go wrong?

- Project setup
- Downloading the Internet
- Artifact generation: Compilation, packaging, etc
- Tests
- Artifact deployment

When can it go wrong?

At any time.

THE BUILD FRUSTRATES THE DEVELOPERS

LET'S ASK CHATGPT

What techniques can I use to speed up a Maven build?

Sure, here are some quick tips to speed up a Maven build:

1. **Skip Tests**: Use `-DskipTests` to skip running tests.
2. **Parallel E[illegible]**: [illegible] E.g., `-T 4` for 4 threads.
3. **Offline Mode**: Use `--offline` to avoid checking for updates.
4. **Incremental Build**: Use `mvn -am -pl` to build only changed modules and their dependencies.
5. **Profile**: Use Maven profiles to conditionally enable plugins.
6. **Resource Filtering**: Limit resource filtering to only necessary files.
7. **Use a Mirror**: Set up a local Nexus or Artifactory mirror.

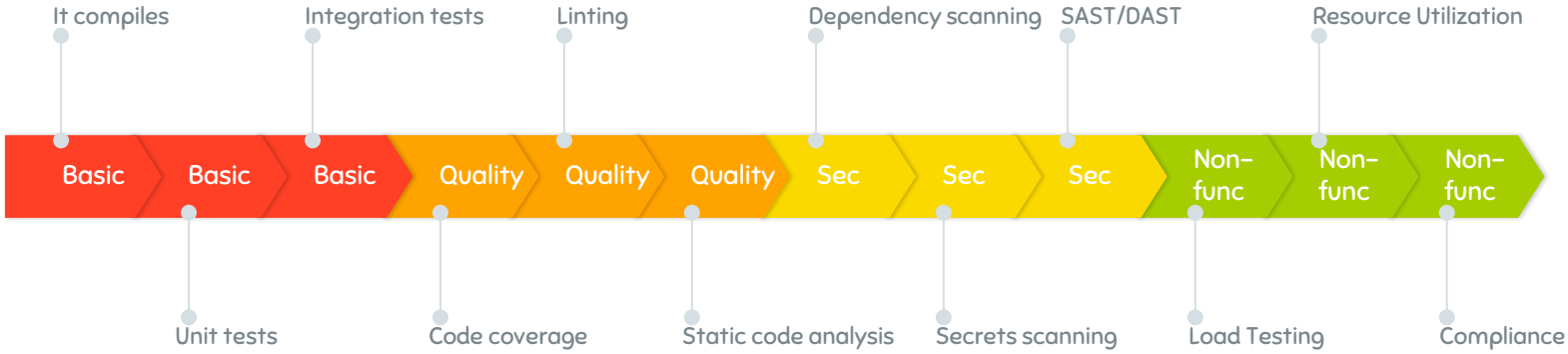
Hope that helps! Got a preference for Gradle, but these should give your Maven build a boost.

WHAT THE ACTUAL F*CK?!

- Skipping tests defeats the purpose of the build!
- How about skipping compilation?
- We want faster feedback, not less feedback

WHAT FEEDBACK DO WE WANT?

CI/CD PIPELINE QUALITY GATES

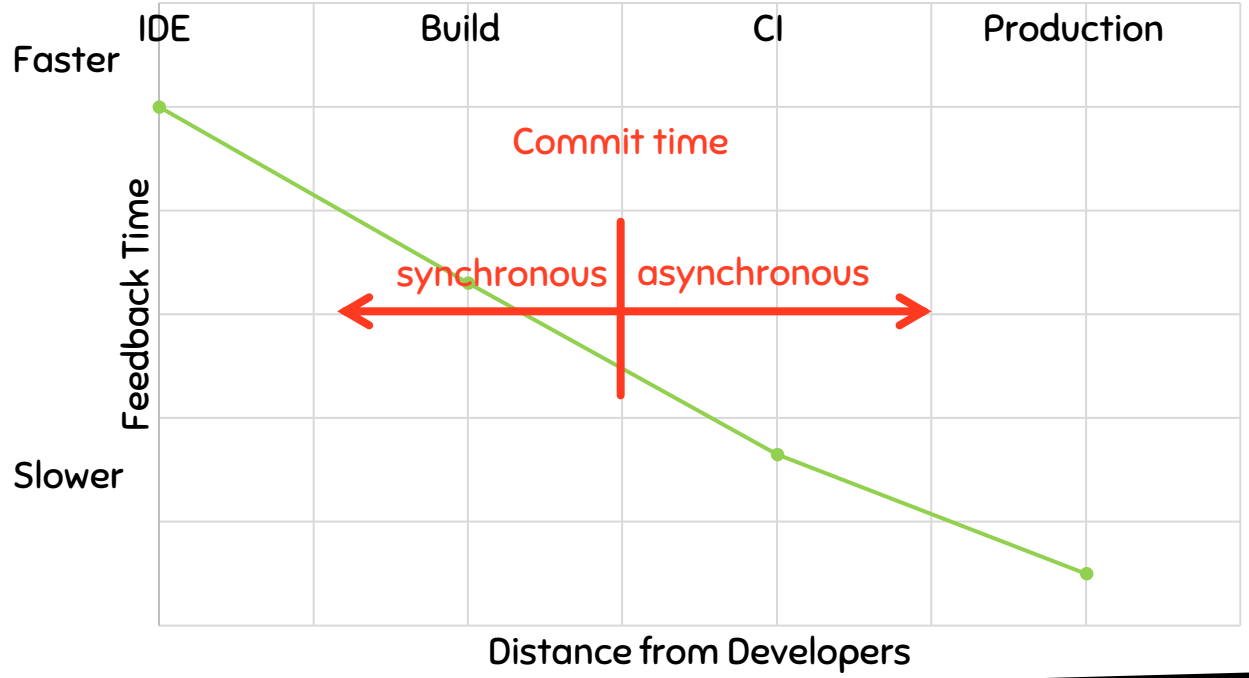


CI/CD? NOT GREAT, NOT TERRIBLE.

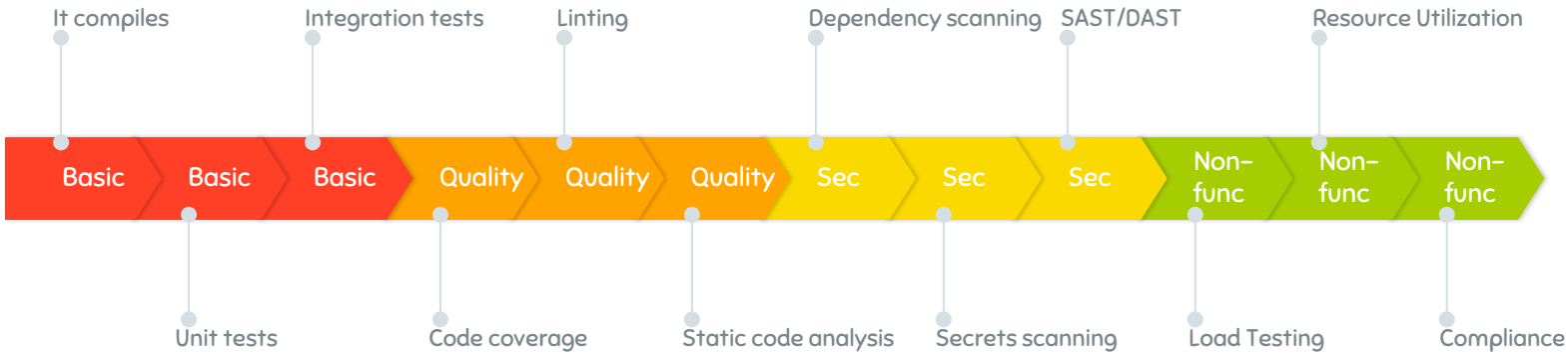
Two types of feedback

Asynchronous	x e.g., CI/CD x we never wait for it x results are distracting
Synchronous	x e.g., build x we'll wait for it in the flow x we'll be pissed off when it's slow

REVERSE DEPENDENCY ON DISTANCE FROM DEVELOPERS



IDEAL BUILD TIME FEEDBACK



BUT WON'T IT SLOW DOWN THE BUILD?!

Delightful build (pick two):

- ☑ Provides max feedback
- ☑ Fast

SKIP WHAT CAN BE SKIPPED
(BUT NO MORE!)

Avoidance: Incremental Build

- × Don't build what didn't changed
- × Don't build what isn't affected

Avoidance: Incremental Build Shortcomings

- × Relies on produced artifacts
- × Relies on architectural decisions

Avoidance: caching

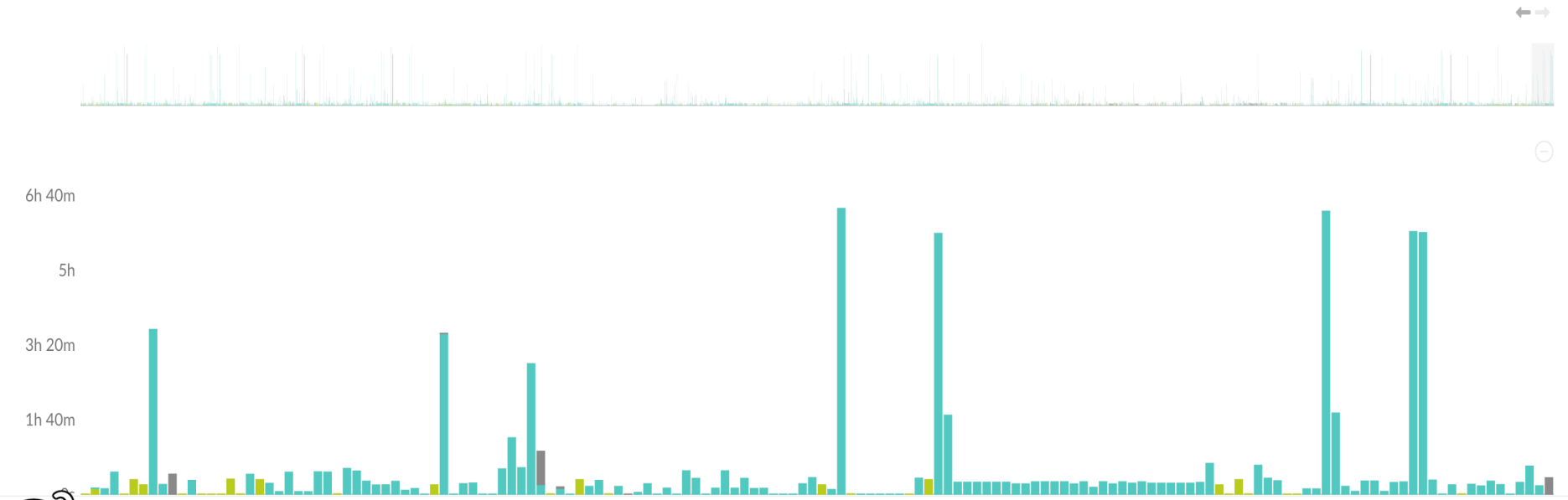
- × Makes the build faster
- × Makes the build faster for everybody
- × Makes the build faster always
- × Makes all parts of the build faster

Start time | Custom values | Tags | Outcome

Last 7 days | Relative | Fixed | Refresh

Build time	Serial execution	Avoidance savings	Build cache overhead	Dependency downloading
17 min 25 sec	20 min 58 sec (1.4x)	14 min 19 sec (46.58%)	8.2 sec	3.8 sec

Up to date	Local build cache	Remote build cache
1 min 58 sec	9 min 17 sec	3 min 5 sec

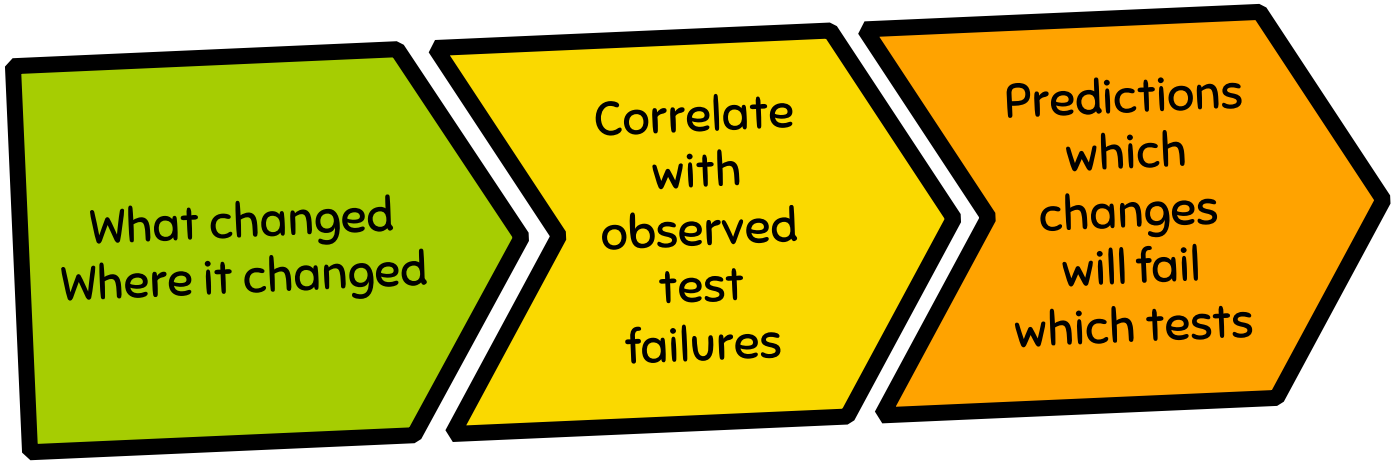


Latest 10000 builds

Avoidance: Predictive Test Selection

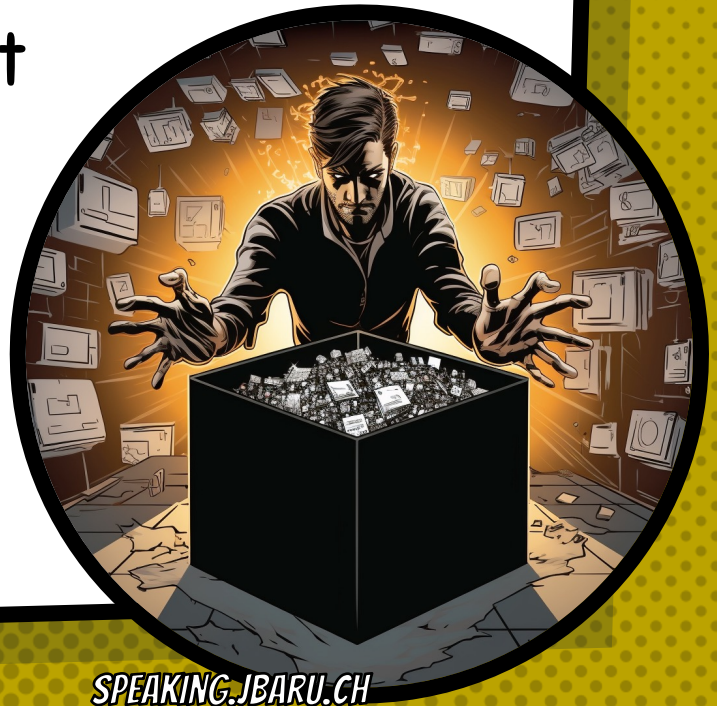
- × Learns de-facto code change effects
- × Skips tests with high degree of confidence

PREDICTIVE TEST PREDICTION



Black Magic in Action

- The more tests a project has, the less they break
- Refactorings in Java break tests less than in JavaScript



Start time | Custom values | Tags | Outcome

Last 7 days | Relative | Fixed | Refresh

Predictive Test Selection › *Find test task/goal*

Usage (0 builds) | Simulations (4.45K builds)

Mean build time: N/A | Mean build time: 5 min 13 sec

Selection profile: Conservative | Standard | Fast

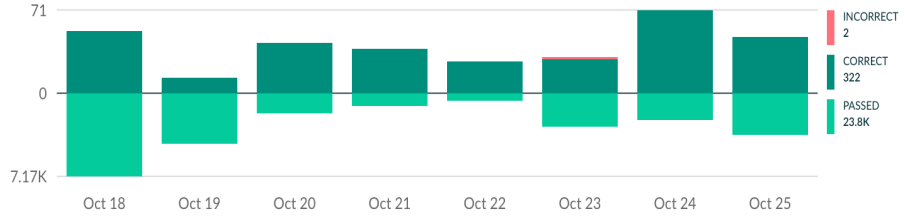
Task/Goal failures predicted: 99.4% (322 of 324 total)

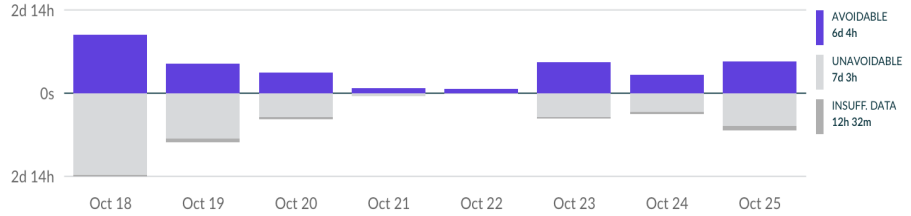
Test failures predicted: 95.6% (564 of 590 total)

Savings potential: 6 d 4 hr (45%)

Avoidable tests: 212K (38%)

Unavoidable tests: 332K (59%)





Tasks/Goals by mean duration (top 50)

All predictions | Only incorrect

Path	Task/Goal failures predicted	Test failures predicted	Simulations	Mean duration	Total test time	Savings potential
spring-boot-build › :spring-boot-project:spring-boot-tools:spring-boot-maven-plugin:intTest	0 / 0	0 / 0	60 / 60	40 min 26 sec	1 d 16 hr	20 hr 35 min (51%)
org.springframework.data:spring-data-neo4j:failsafe:integration-test@default	0 / 0	0 / 0	11 / 11	30 min 9 sec	5 hr 46 min	2 hr 33 min (44%)
spring-boot-build › :spring-boot-project:spring-boot-tools:spring-boot-gradle-plugin:test	7 / 7 (100%)	11 / 29 (37.9%)	62 / 62	20 min 1 sec	20 hr 18 min	3 hr 2 min (15%)
spring-boot-build › :spring-boot-project:spring-boot-autoconfigure:test	6 / 6 (100%)	6 / 6 (100%)	160 / 160	16 min 18 sec	1 d 17 hr	22 hr 2 min (53%)
spring-boot-build › :spring-boot-tests:spring-boot-integration-tests:spring-boot-launch-script-tests:intTest	0 / 0	0 / 0	115 / 115	15 min 13 sec	1 d 5 hr	12 hr 44 min (44%)
org.springframework.data:spring-data-cassandra:failsafe:integration-test@default	0 / 0	0 / 0	7 / 7	11 min 16 sec	1 hr 17 min	0 sec (0%)

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SPEED UP WHAT
CAN'T BE SKIPPED

Test parallelization

- Use max power of local machine
- (Yes, your boss should buy you the bleeding edge)

Task path		Started after	Duration
:clean		0.499s	0.053s
:compileJava		0.553s	0.146s
:processResources	NO-SOURCE	0.699s	0.001s
:classes		0.700s	0.000s
:jar		0.701s	0.040s
:assemble		0.741s	0.000s
:compileTestJava		0.741s	0.242s
:processTestResources	NO-SOURCE	0.984s	0.000s
:testClasses		0.984s	0.001s
:test		0.985s	1m 59.135s
:check		2m 0.120s	0.001s
:build		2m 0.121s	0.001s

Task path		Started after	Duration
:clean		0.416s	0.048s
:compileJava		0.465s	0.085s
:processResources	NO-SOURCE	0.550s	0.000s
:classes		0.550s	0.000s
:jar		0.551s	0.040s
:assemble		0.591s	0.000s
:compileTestJava		0.592s	0.212s
:processTestResources	NO-SOURCE	0.804s	0.001s
:testClasses		0.805s	0.000s
:test		0.805s	10.553s
:check		11.359s	0.000s
:build		11.359s	0.000s

```
tasks.test { this: Test!
    onlyIf { true }
    useJUnitPlatform()
    maxParallelForks = Runtime.getRuntime().availableProcessors()
    testLogging { this: TestLoggingContainer
```

Test Distribution

- CI uses fan-out to speed-up tests
- Shouldn't you enjoy it for local tests?
- Use the cloud to distribute test load
- RUN ALL THE NEEDED TESTS!

DON'T LET IT SLIDE

Observe and improve

- Measure local build times across time and environments
- Detect downfacing trends
- Find root causes and improve

Basic search | Advanced search

User | Hostname | Project | Requested tasks/goals/targets | Build tool | Build tool version

Start time: Jan 16 2020 03:00 EDT | Feb 3 2020 00:59 EDT | Relative | Fixed

Custom values: git branch name=sam/performance-scenario

Tags | Outcome | Refresh

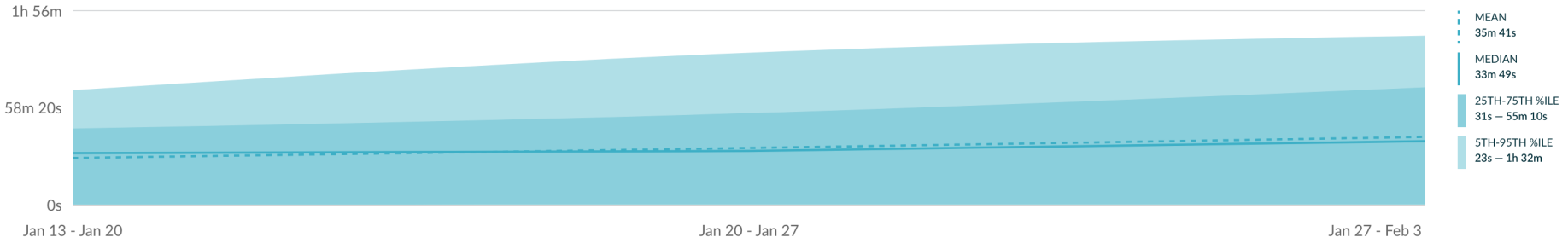
Overview | Build time | Serial execution | Avoidance savings | Build cache overhead | Dependency downloading

Day | Week | Month

Serial execution

35 min 41 sec (7.7x)

Non-cacheable	Build cache miss	Build cache hit	Up to date & non-actionable
44 sec	34 min 40 sec	4.2 sec	13 sec



Avoidance savings

24 min 25 sec

Up to date	Local build cache	Remote build cache
17 min 31 sec	4 min 31 sec	2 min 23 sec

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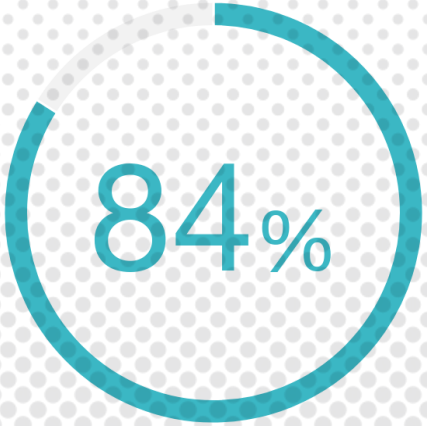
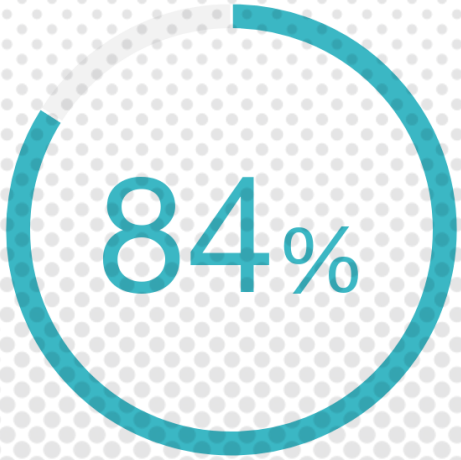
DPE Dramatically Improves Productivity

Almost every surveyed IT organization agreed that “Since integrating Developer Productivity Engineering into our development process, the time savings we experienced on build and test cycle times have dramatically improved developer productivity.”



DPE Fosters Developer Joy

84% of surveyed users agree that DPE's impact on their toolchain makes their job more enjoyable.



TechValidate
by SurveyMonkey

Validated Published: Sep. 25, 2023 TVID: 930-05A-A5F

But DPE is not my job!

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But DevOps is not my job!

DEVOPS VS DPE

	DEVOPS	DPE
OUTCOME	The product	More productive work
URGENCY	On everybody's minds	Slips away
ORG STRUCTURE	Organizational culture	Specialized team

THE BEST DPE ORGANIZATIONS
BUILD FOCUSED TEAMS

snowflake HOME BROWSE JOBS TEAMS UNIVERSITY LIFE AT SNOWFLAKE

ENGINEERING MANAGER - DEVELOPER PRODUCTIVITY ENGINEERING

San Mateo, California, USA

Engineering 2500

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Productivity & IT

Build and refine the technology, tools, and systems our employees need to succeed. Our Productivity and IT team includes Developer Productivity and Enterprise Productivity.

See team jobs

Senior Software Engineer - Platforms and Engineering Productivity

Microsoft · Mountain View, CA (Remote) 1 day ago · 58 applicants

$112,000/yr - $238,600/yr (from job description) · Full-time

10,001+ employees · Software Development

79 connections work here · 1 company alum works here · 59 school alu

Skills: Continuous Delivery (CD), Customer-Focused Selling, +8 more

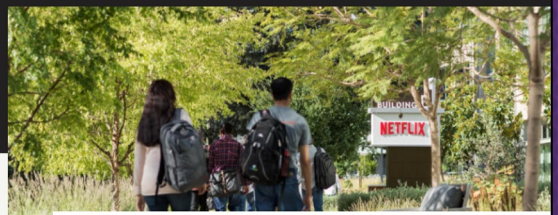
View verifications related to this job post. Show all

How We Improved Developer Productivity for Our DevOps Teams

August 27, 2020
Published by Maria Jernström and Jason Palmer

Across Spotify, our teams diligently strive to fulfill our mission to "unlock the potential of human creativity by giving millions of creative artists the opportunity to live off their work, and billions of fans

NETFLIX JOBS



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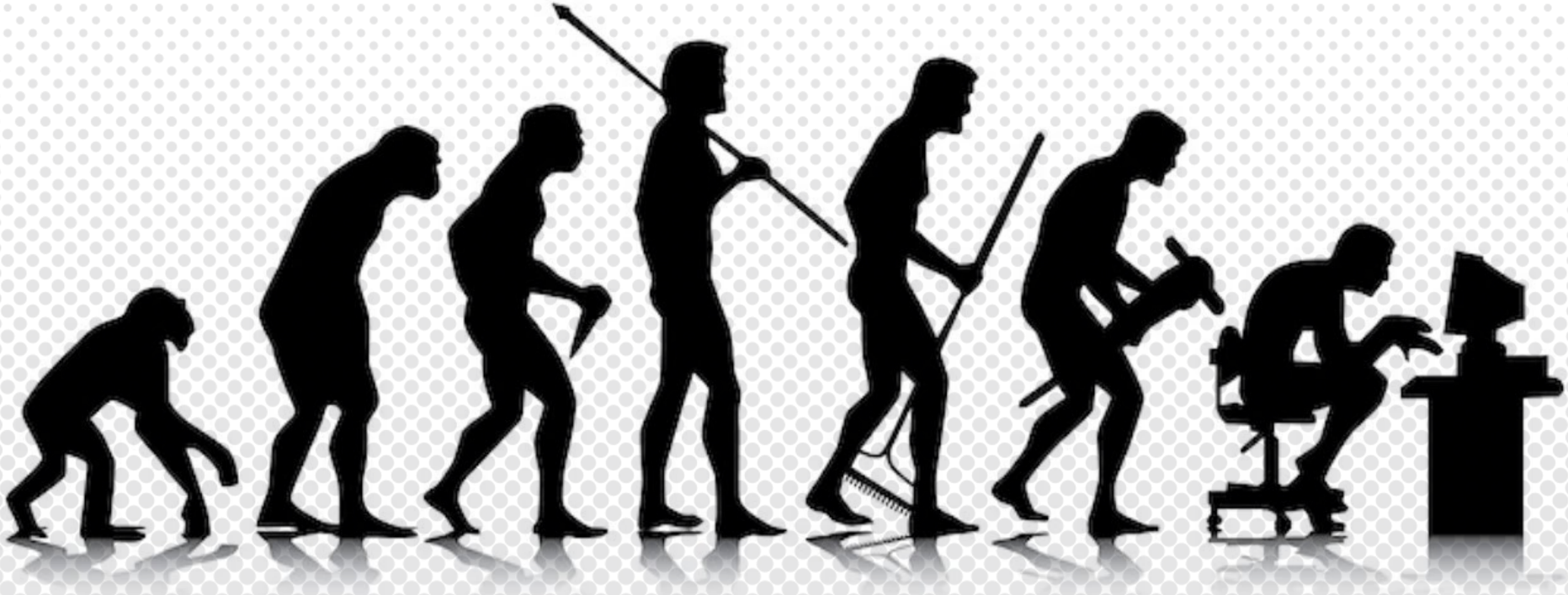

DEVOPS? SRE? PE? DPE?

- DevOps mainly solves Ops' concerns
- It is is a collaborative methodology
- It needs engineering implementation
- Call it SRE or call it PE, someone has to write all those YAML files
- But what about People Productivity?
- DPE has the answer and it's another pillar of DevOps Engineering implementation

LEARN MORE AND TRY IT TODAY!

- Take the Gradle/Maven Speed Challenge
- Be DPE Agent of Change!
- Read the DPE Handbook
- Watch the DPE Summit videos

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WATCH THE KEYNOTES!

Q&A AND SOCIAL ADS

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