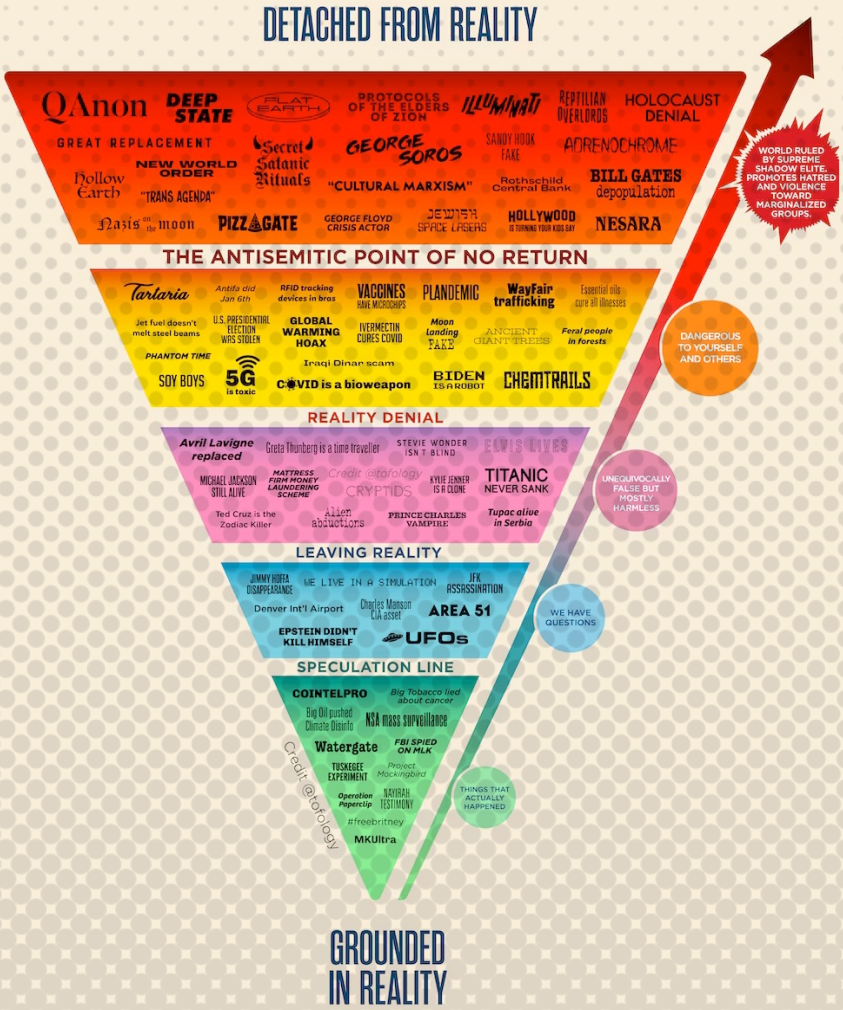
DEVOPS... REFRAMED

EMBRACING THE PATH TO DEVELOPER PRODUCTIVITY ENGINEERING

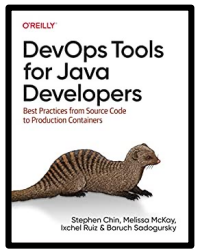
CONSPIRACY THEORY?!

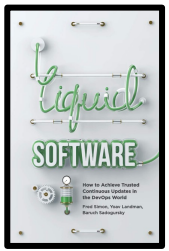
CHART BY ABBIE RICHARDS



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

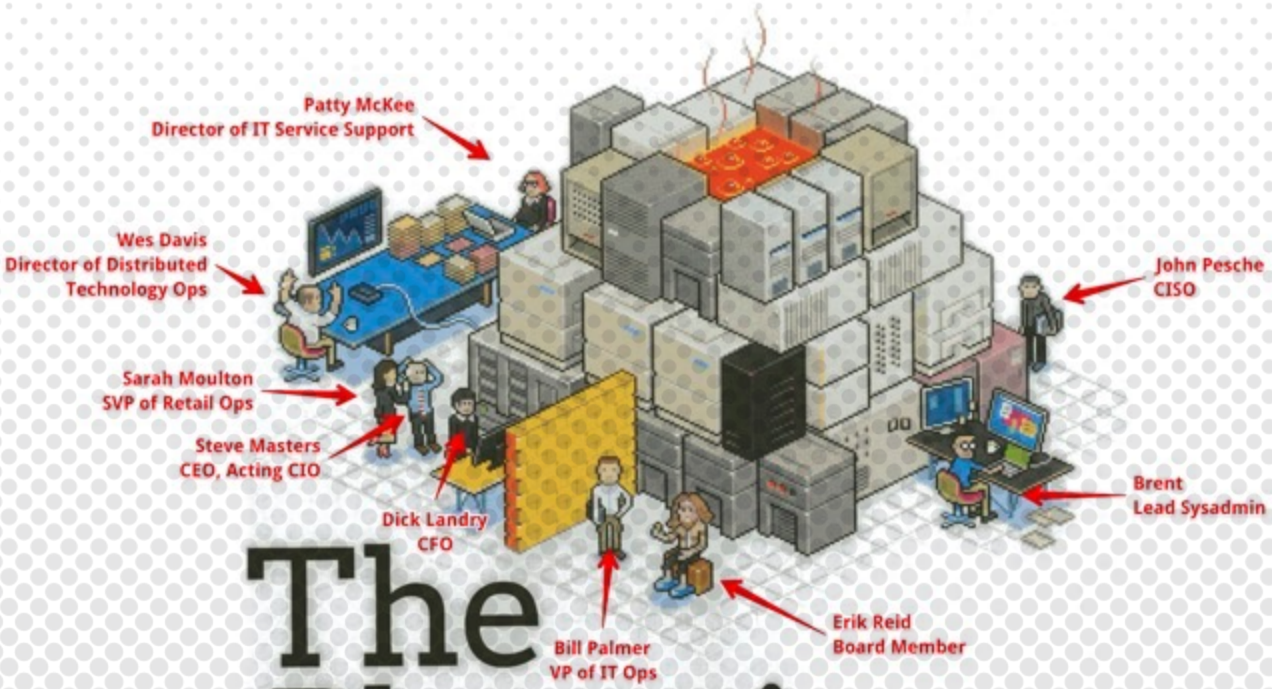
- Development and delivery of most of AlphaCSP courses on different Java-related topics and in different levels;
Among the customers: IDF, Cisco, IDI direct insurance, Rafael, PayPal, Opal, BMC, Malam, Checkpoint, HP Software and others.
- Development and delivery Artifactory training for JFrog customers 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



The Phoenix Project

NOT A SINGLE DEVELOPER!

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**.

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,

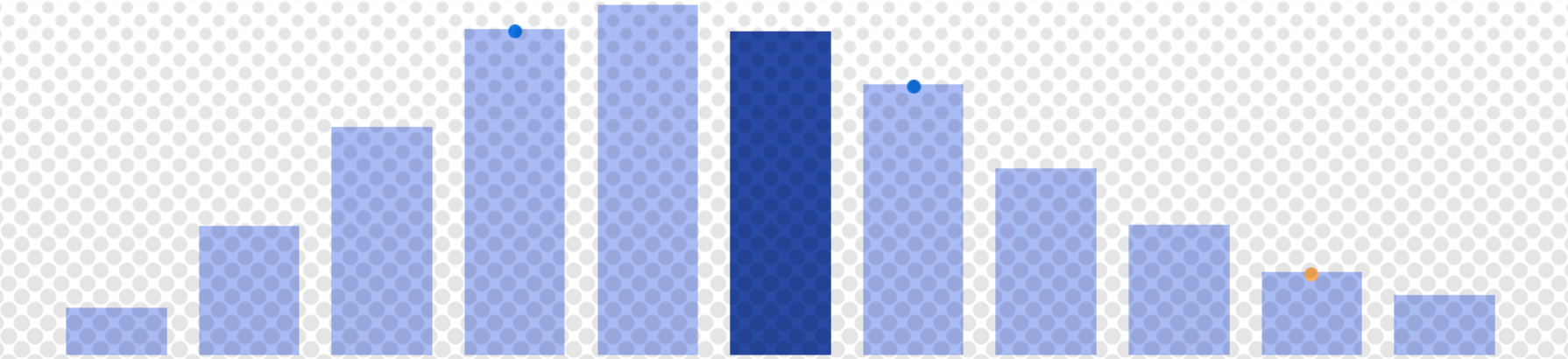
Being a Linux administrator will help you to easily get started with DevOps because it starts with learning Linux fundamentals, DevOps also includes cloud computing concepts like AWS. More importantly DevOps is all about tools, it comes with hundreds of tools. Gits, Chef, Maven, Jenkins, Puppet, Docker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

System Administrator Salary

Yearly | Monthly | Weekly | Hourly | Table View



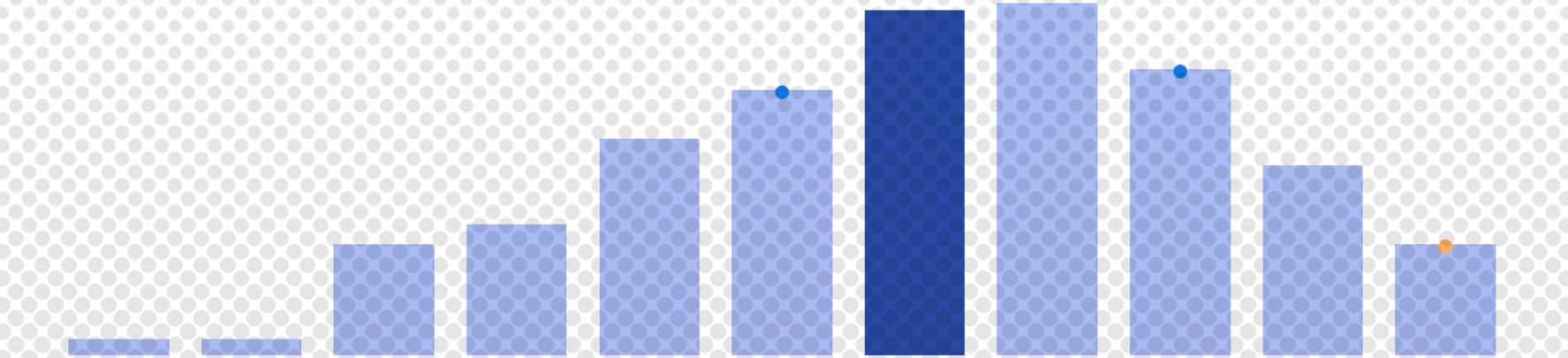
$33,000 National Average $121,000

$76,644 /year

$37 /hour

Devops Engineer Salary

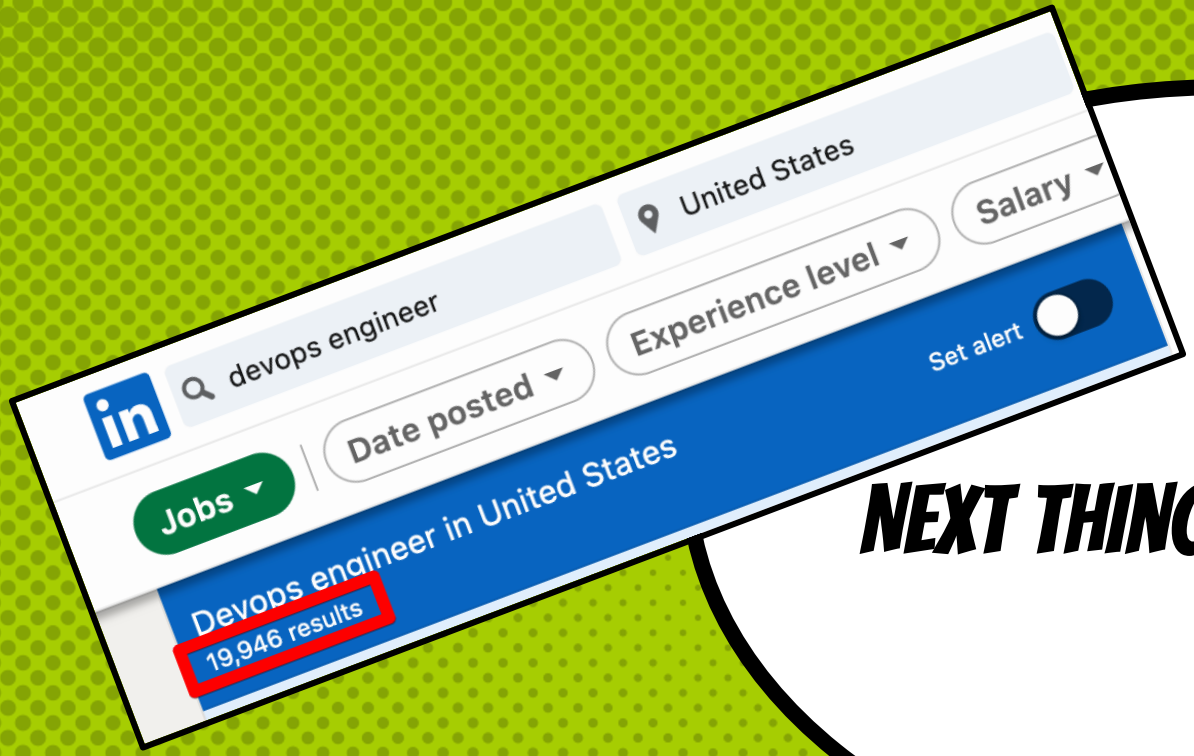
Yearly Monthly Weekly Hourly Table View



$38,500 National Average $180,500

$127,036 /year

$61 /hour



NEXT THING YOU KNOW...

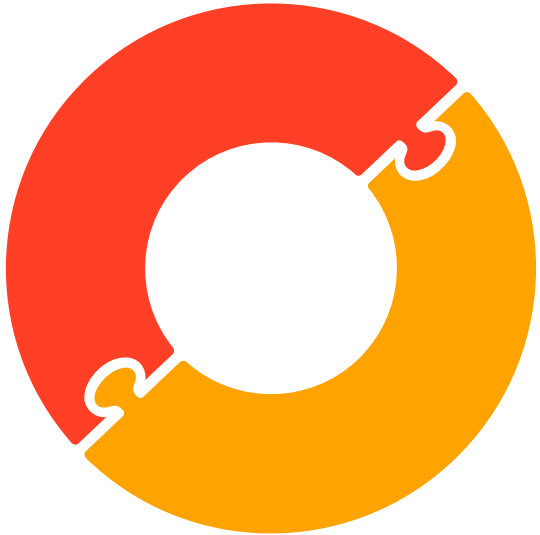
aws
Products
Solutions
Pricing
Documentation
Learn
Partner Network
AWS Marketplace
Customer Enablement
Events
Explore More
Contact Us
Support
Training and Certification
Get Trained
Get Certified
Develop Your Team
AWS Partner Training
AWS Certified DevOps Engineer - Professional
Learn more about this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

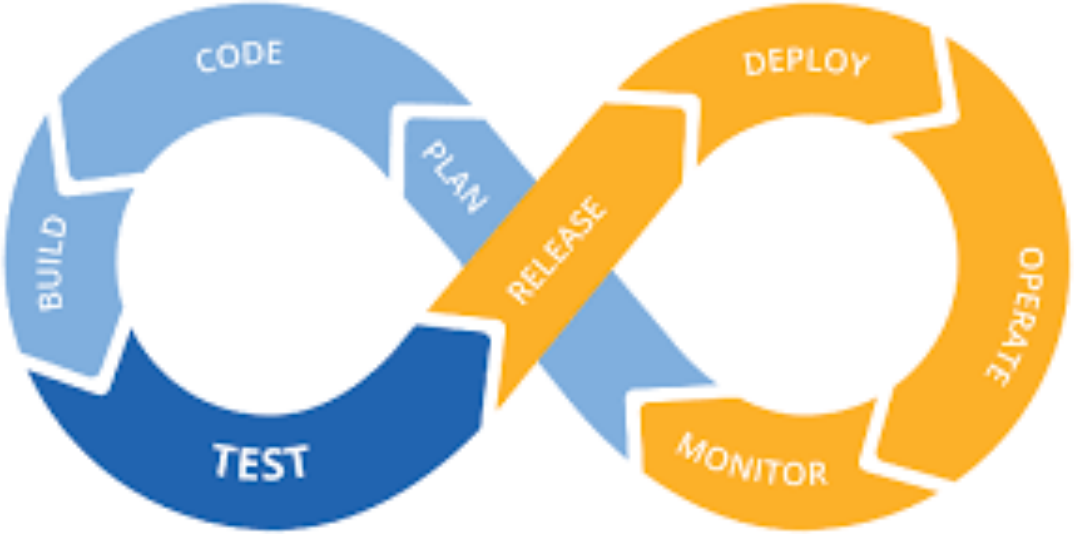
AND THIS:

RAGE!

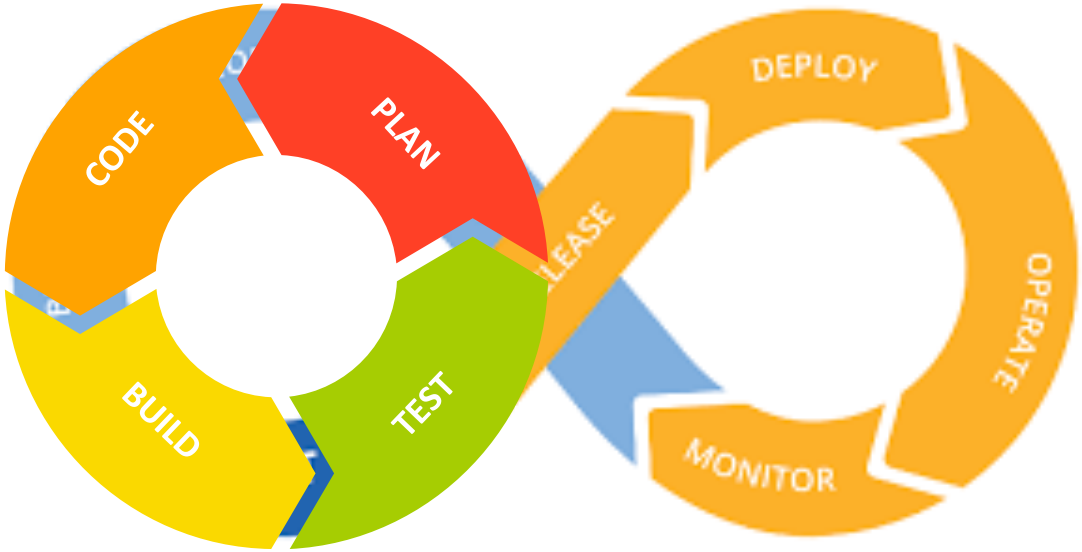
(BUT WE'LL GET TO IT LATER)

CAUSE AND EFFECT?




CODE
PLAN
BUILD
TEST
RELEASE
DEPLOY
OPERATE
MONITOR

AGILE!


CODE
PLAN
BUILD
TEST
RELEASE
DEPLOY
OPERATE
MONITOR

Google Cloud DORA

2022 ACCELERATE

State of DevOps Report

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%

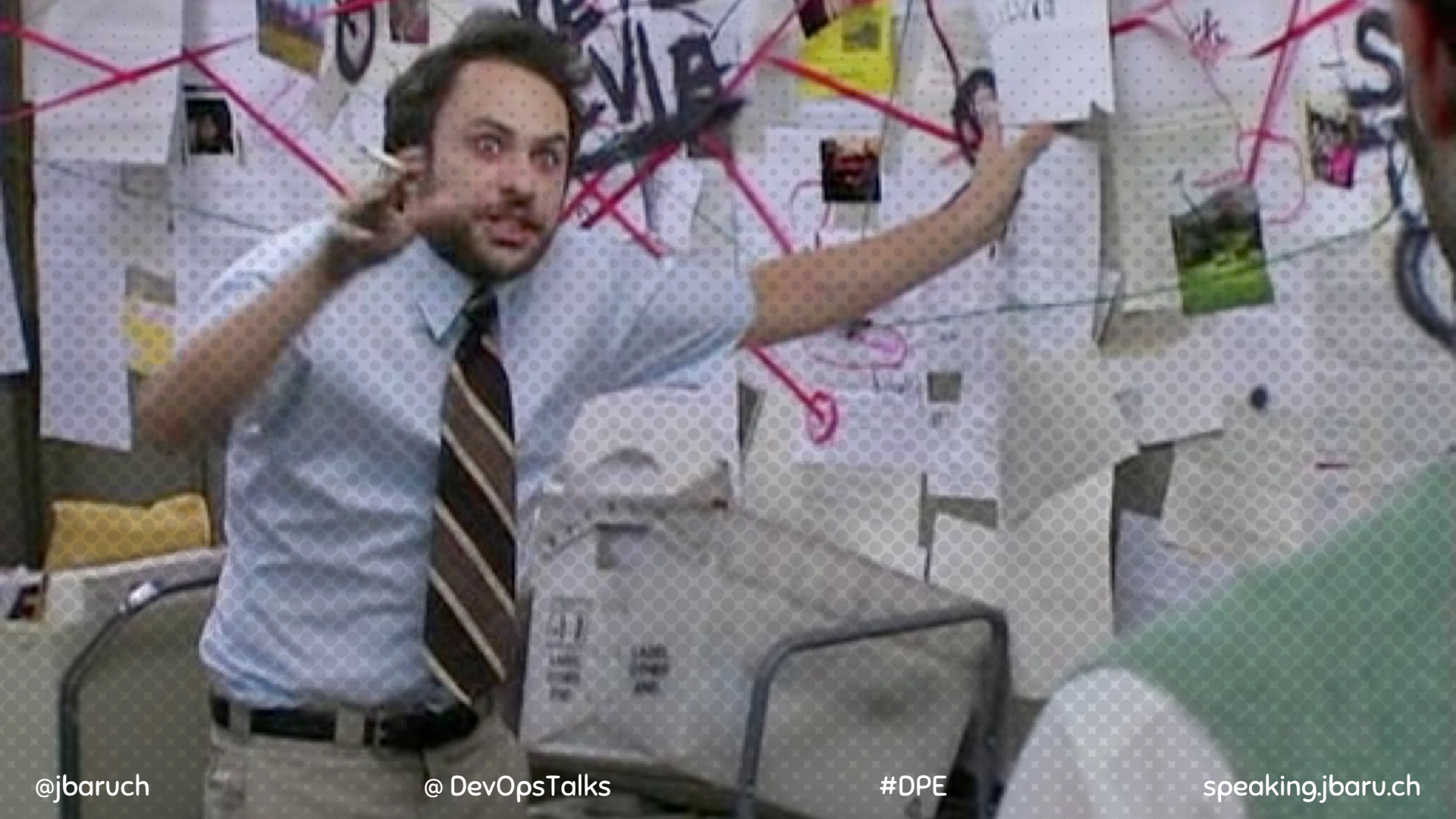
Types of Work According to DevOps

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



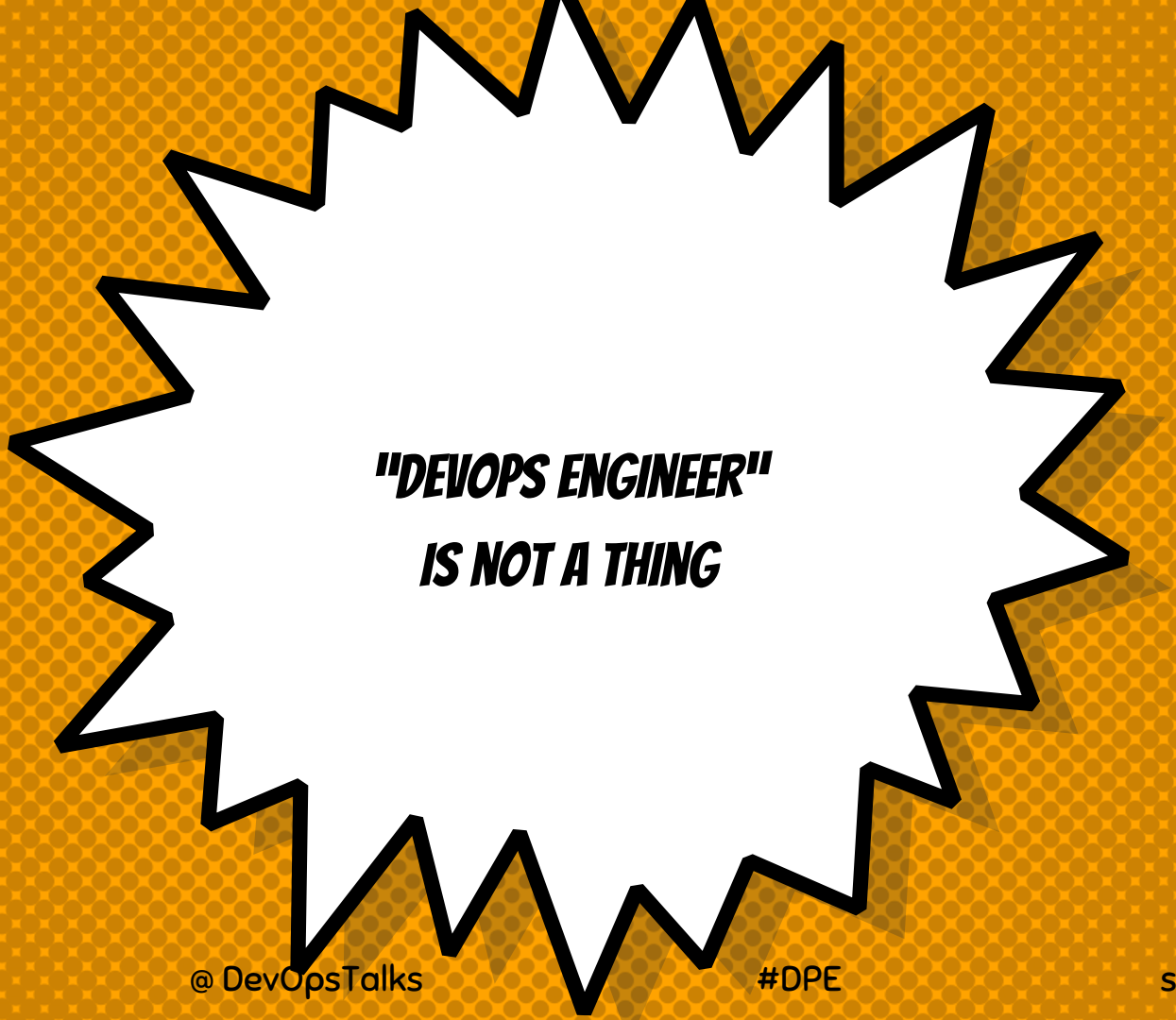
WELCOME TO DEVOPS!

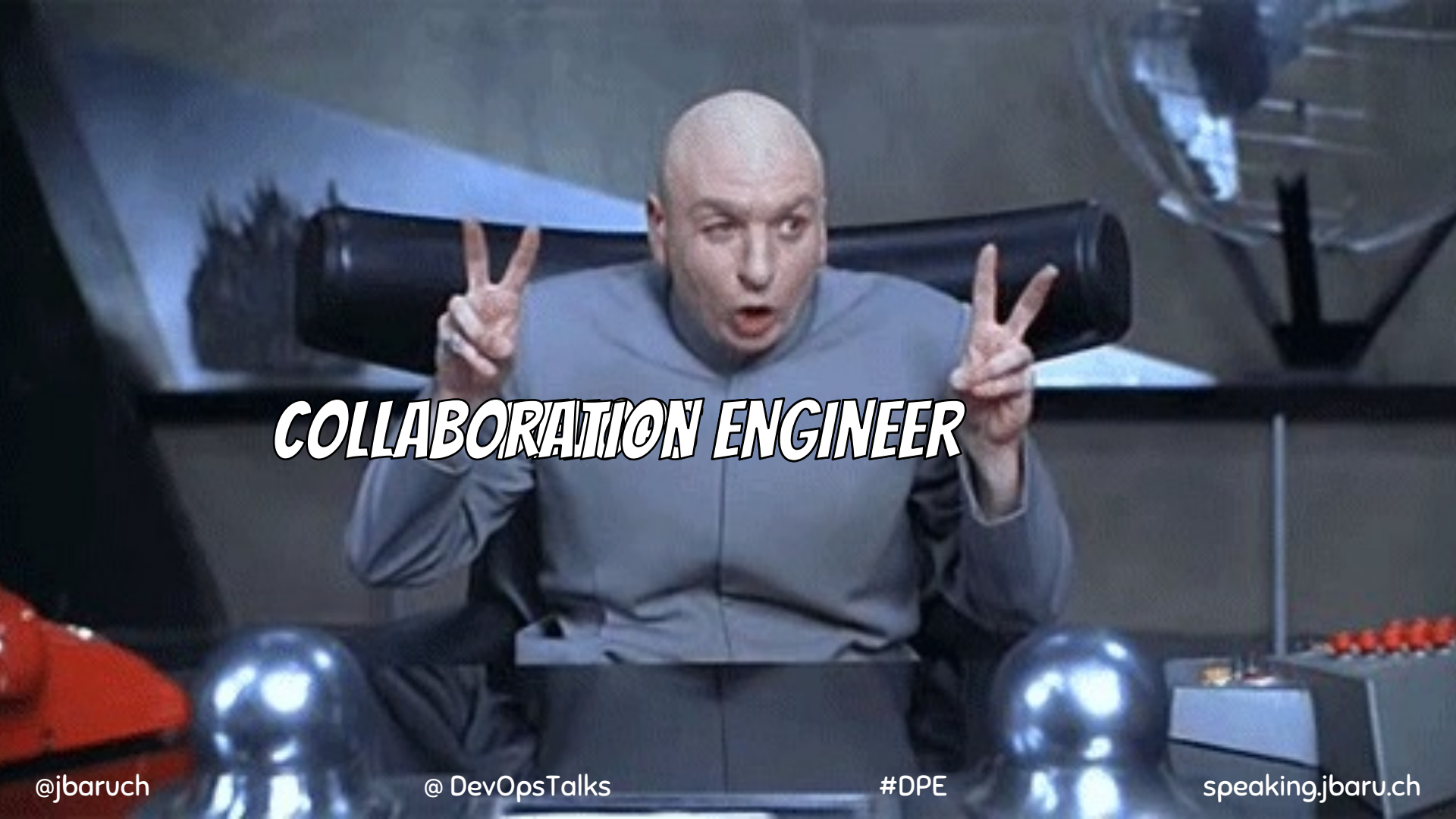
10 YEARS OF TRYING... AND DEVELOPERS STILL AREN'T EXCITED ABOUT DEVOPS

HOW DO WE GO FROM 😕 TO 😁 ?!

HELLO!

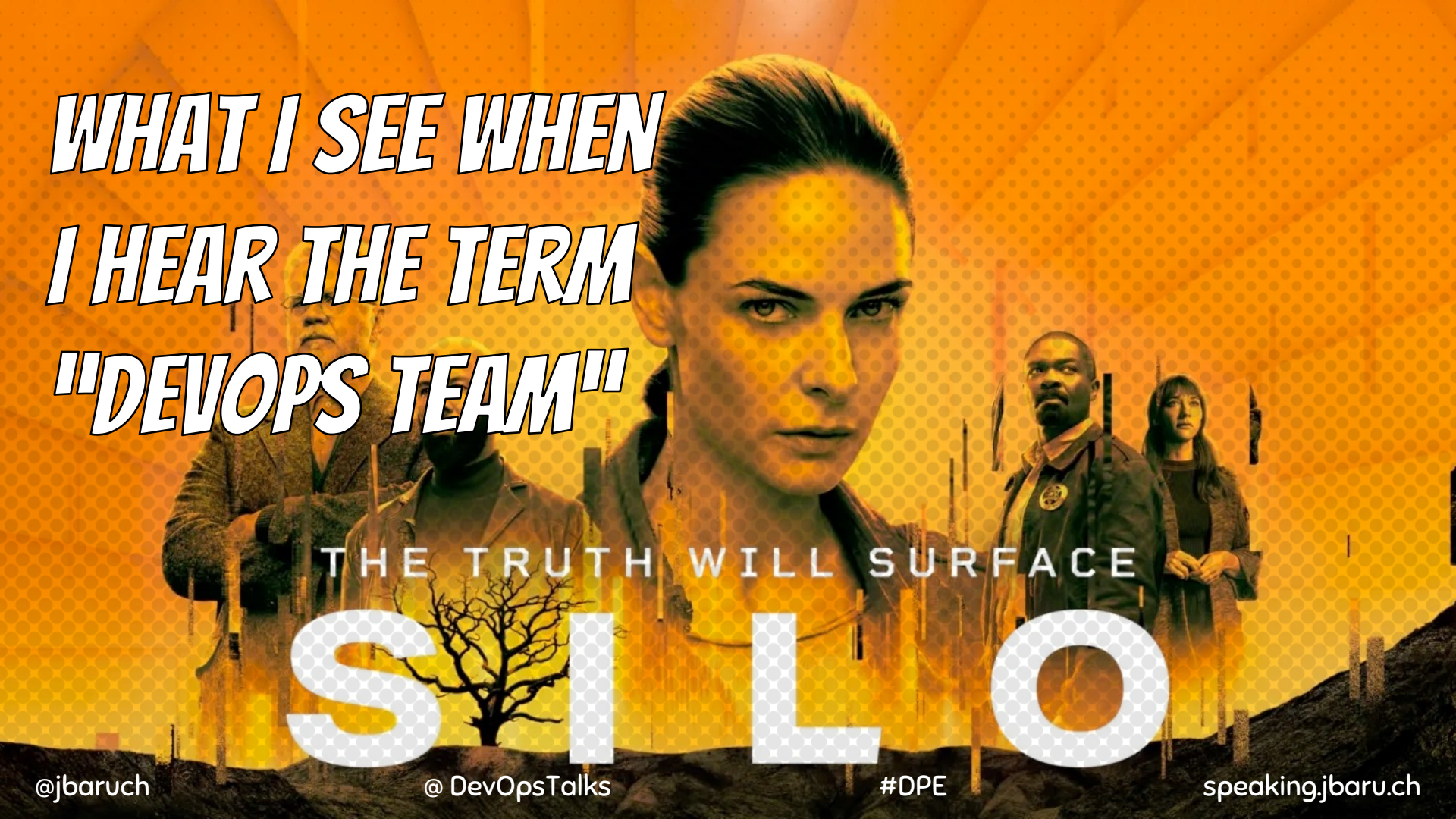
I am Baruch and I have an obsession


"DEVOPS ENGINEER"
IS NOT A THING


COLLABORATION ENGINEER

WHAT YOU SEE WHEN
YOU HEAR THE TERM
"DEVOPS TEAM"

WHAT I SEE WHEN I HEAR THE TERM "DEVOPS TEAM"



LET'S
BREAK DOWN THIS SILO!
THE RISE OF THE DEVDEVOPS!
@jbaruch
@ DevOpsTalks
#DPE
speaking.jbaru.ch

Engineering Aspect of DevOps

Jokes Aside

Class SRE implements DevOps.

NO ONE WANTS TO BE A "SITE RELIABILITY ENGINEER"

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"

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?

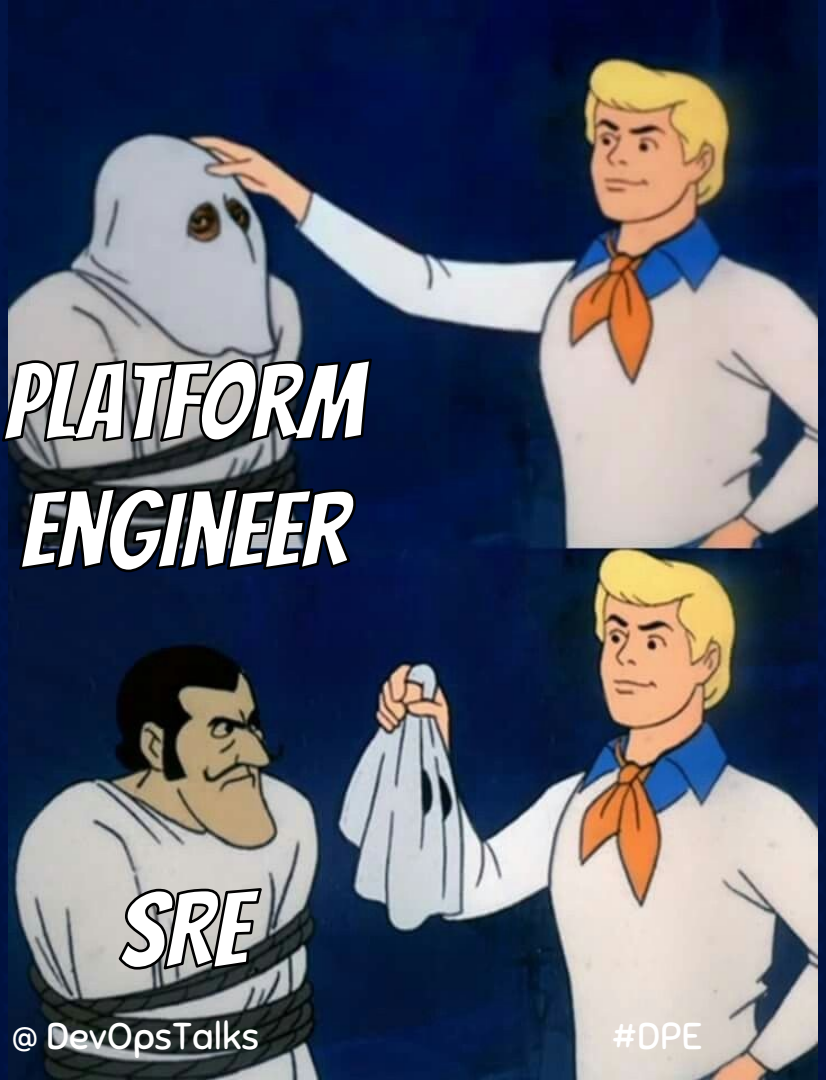
Apr 13, 2023 — **DevOps** teams create the software, with a focus on accelerating delivery and enhancing quality, whereas **platform engineers** implement and manage ...

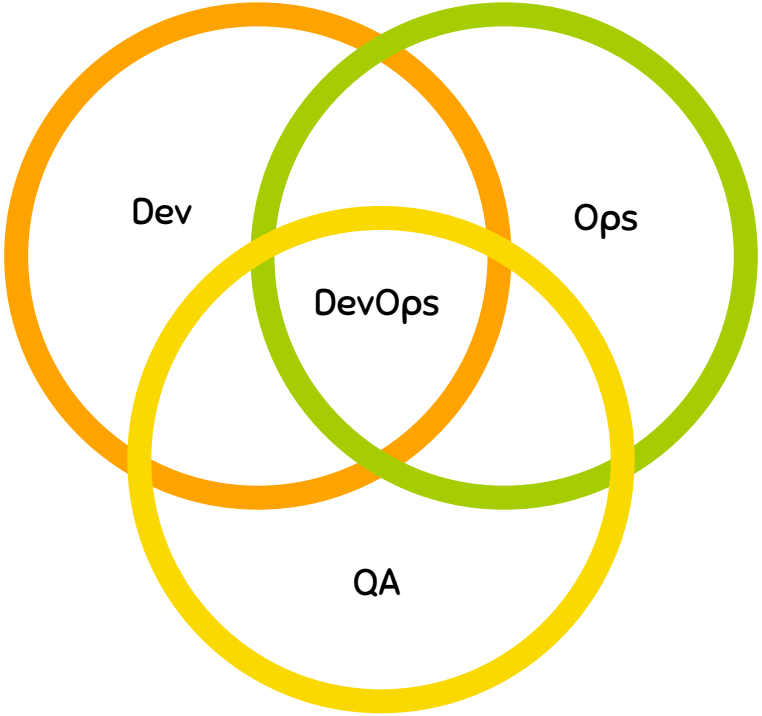
People also ask

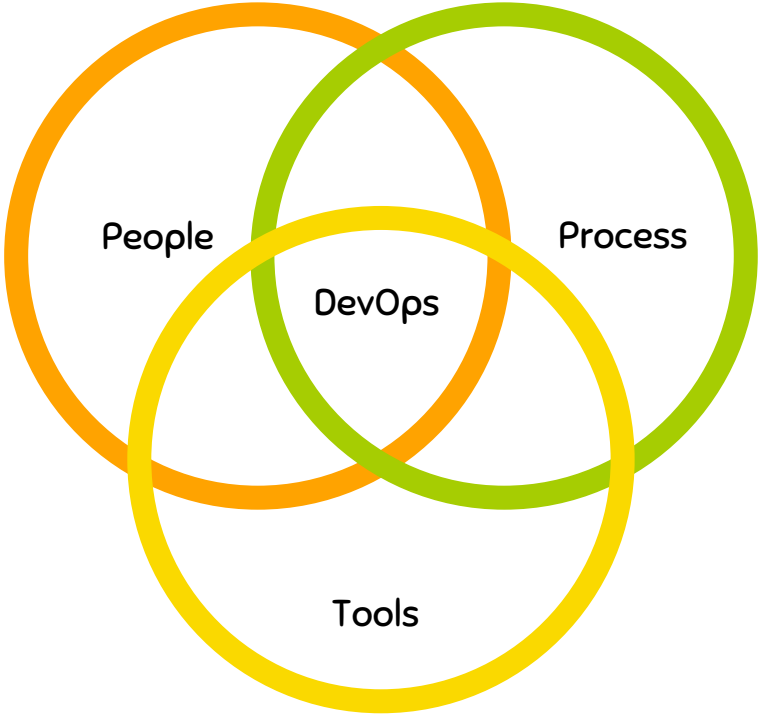
Is platform engineer same as DevOps?

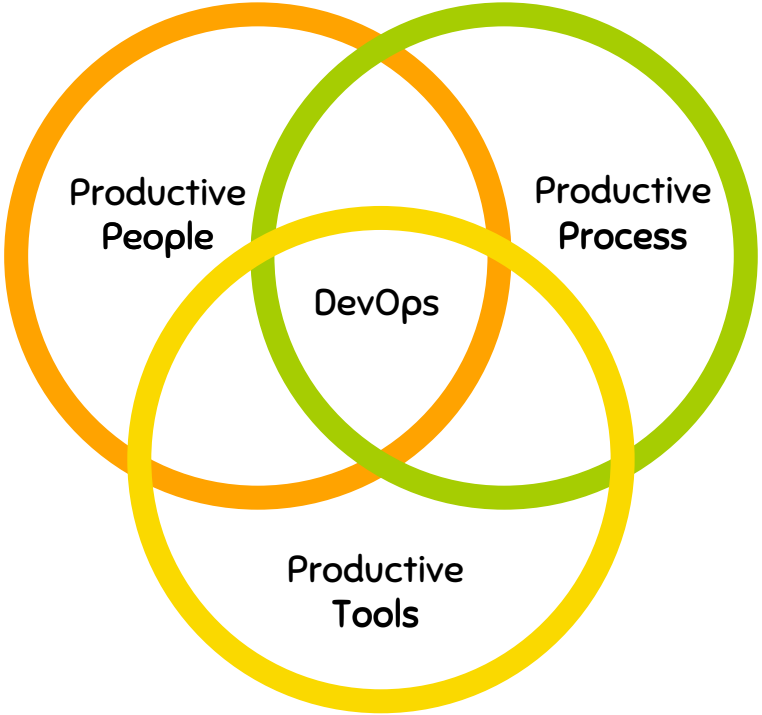
what is platform engineering in one sentence

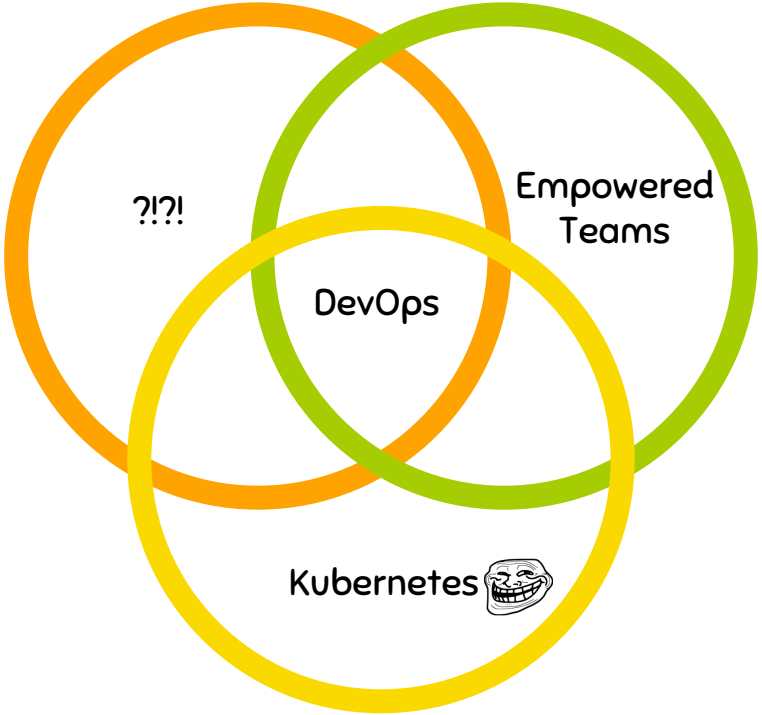
Platform engineering is the process of designing, building, and maintaining the underlying infrastructure, including software platforms, systems, and services, that software developers use to create and deploy applications more efficiently.


PLATFORM ENGINEER
SRE


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.

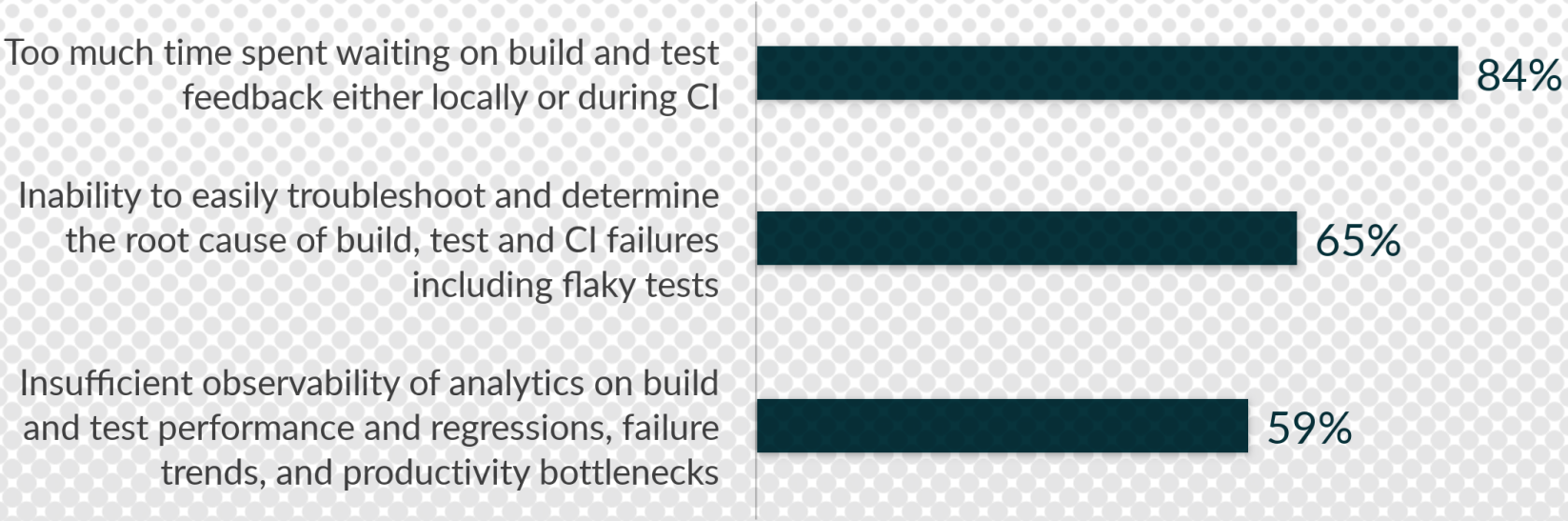
Source: TechValidate survey of 40 users of Gradle Enterprise

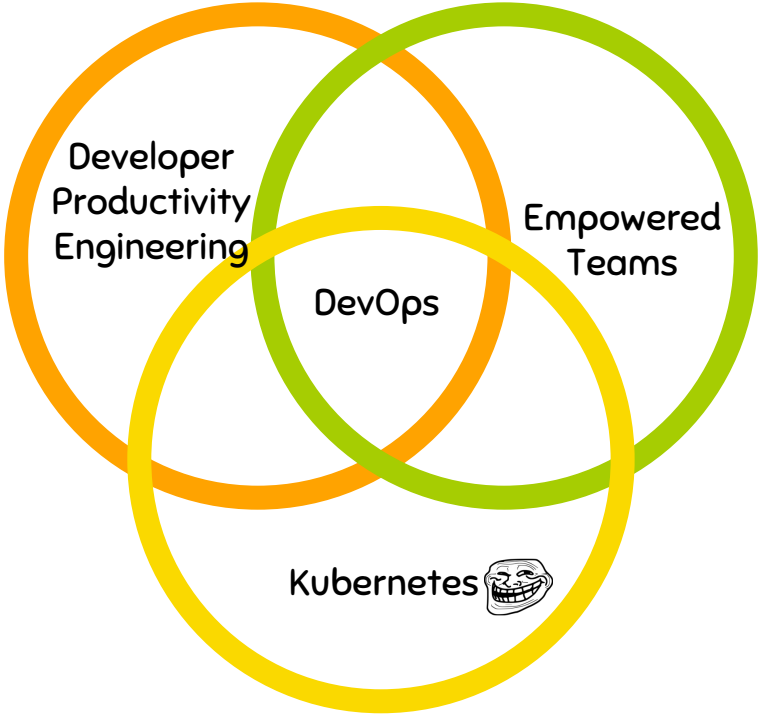
Gradle Enterprise | TechValidate by SurveyMonkey

Validated Published: May. 30, 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?




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

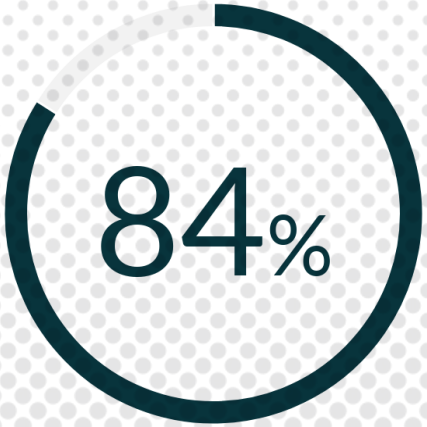
Prioritize Automation and Eliminate Bottlenecks

Dedicated Organizational Mindset

Outcomes Over Output

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.”



Source: TechValidate survey of 63 users of Gradle Enterprise

GRADLE ENTERPRISE CUSTOMER STATISTIC

DPE Fosters Developer Joy

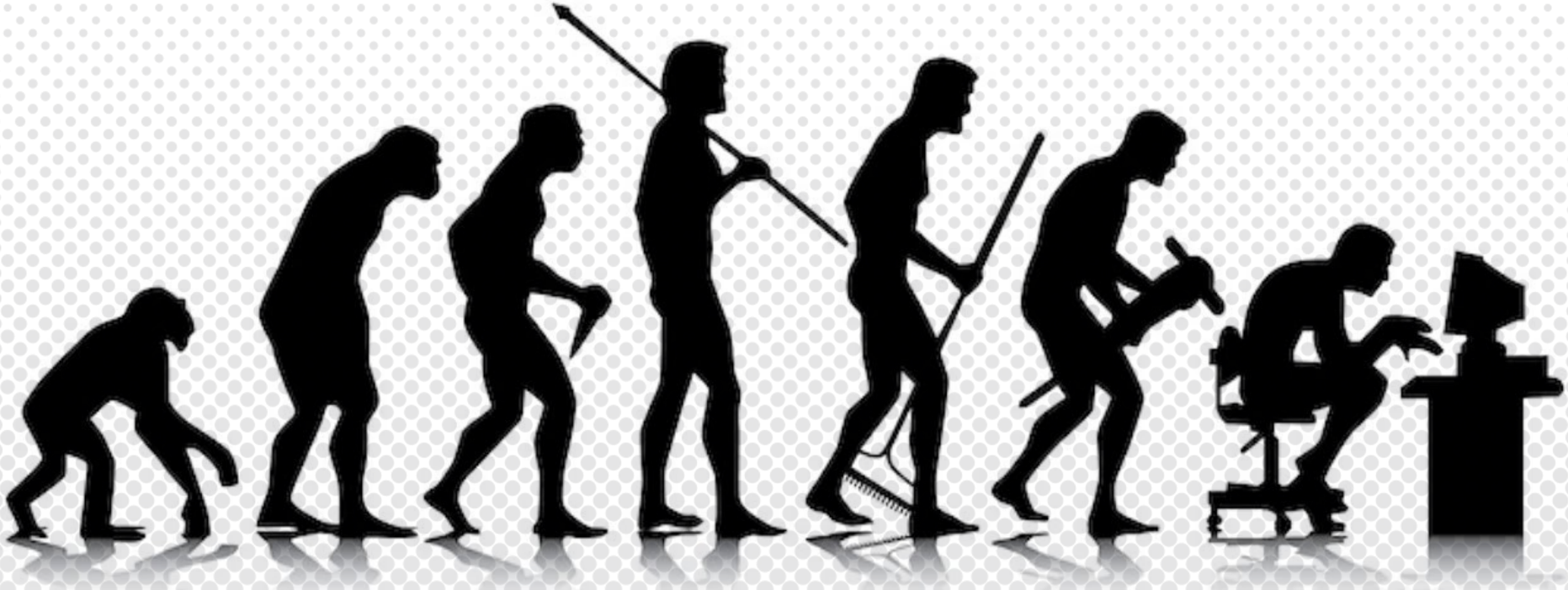
84% of surveyed users agree that DPE's impact on their toolchain makes their job more enjoyable.

Source: TechValidate survey of 51 users of Gradle Enterprise

Gradle Enterprise

TechValidate by SurveyMonkey

Validated Published: Jul. 2, 2023 TVID: 930-05A-A5F



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
- Join DPE Summit (or watch the videos)

SPEAKING.JBARU.CH

THANKS!

Q&A and Twitter (or whatever this week) ads:

- @jbaruch
- speaking.jbaru.ch