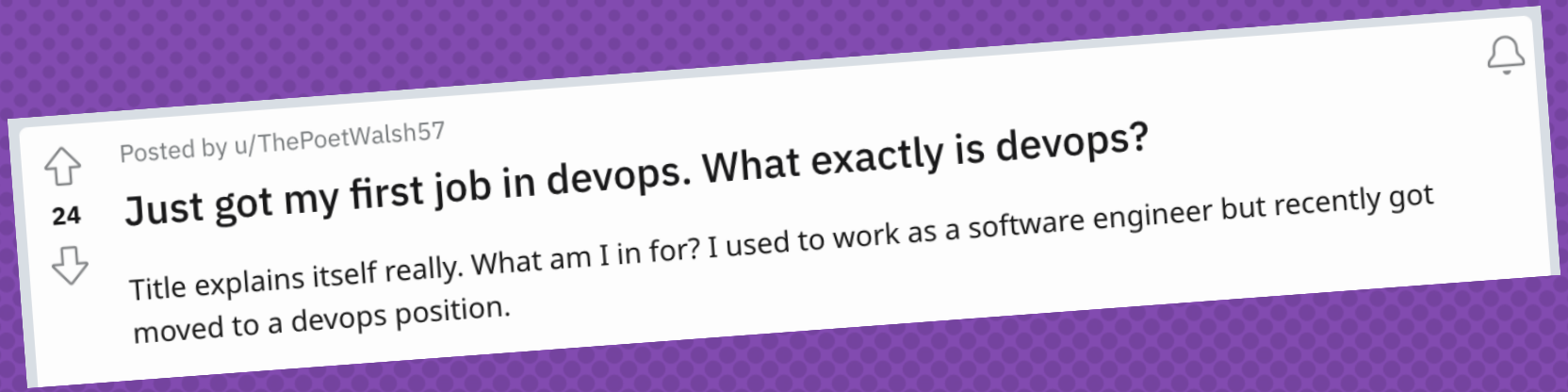
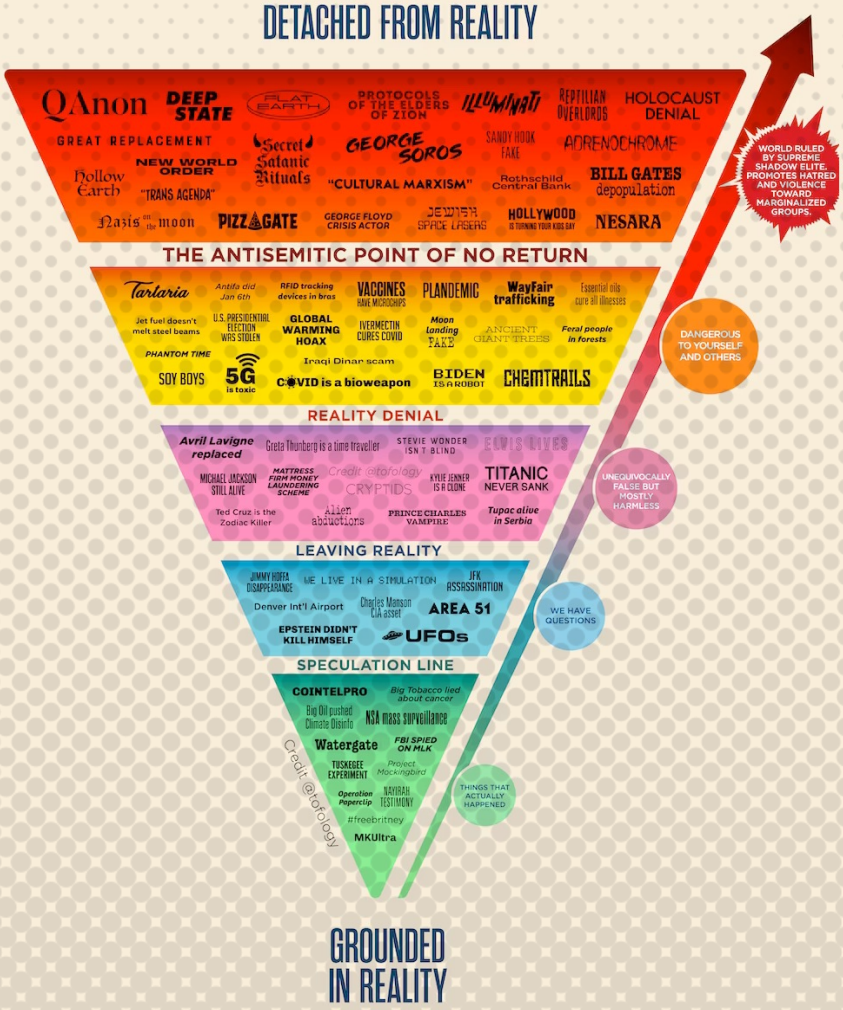
DEVOPS FOR DEVELOPERS...

OR MAYBE AGAINST THEM?


Posted by u/ThePoetWalsh57
24
Just got my first job in devops. What exactly is devops?
Title explains itself really. What am I in for? I used to work as a software engineer but recently got moved to a devops position.

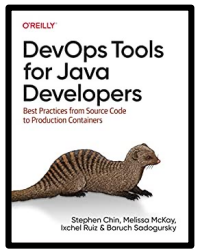
CONSPIRACY THEORY?!

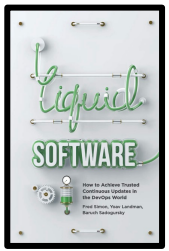
CHART BY ABBIE RICHARDS



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

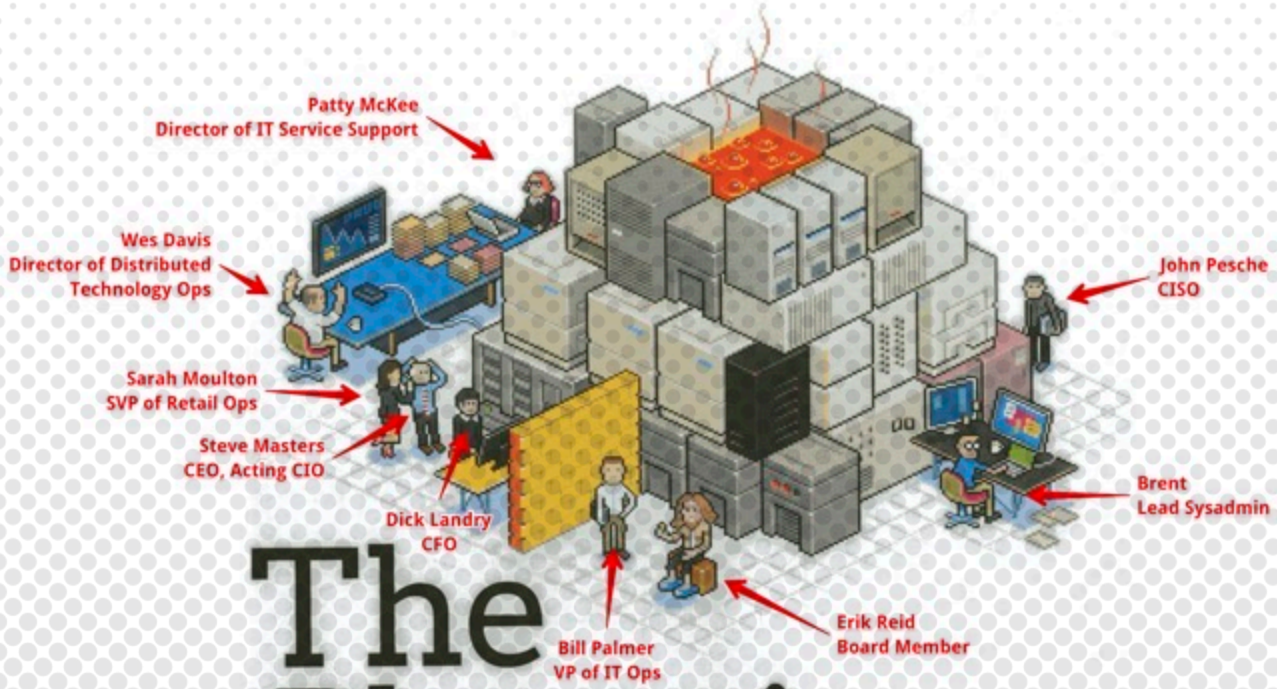
- Development and delivery of most of AlphaCSP courses on different Java-related topics and in different levels;
Among the customers: IDF, Cisco, IDI direct insurance, Rafael, PayPal, Opal, BMC, Malam, Checkpoint, HP Software and others.
- Development and delivery Artifactory training for JFrog customers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

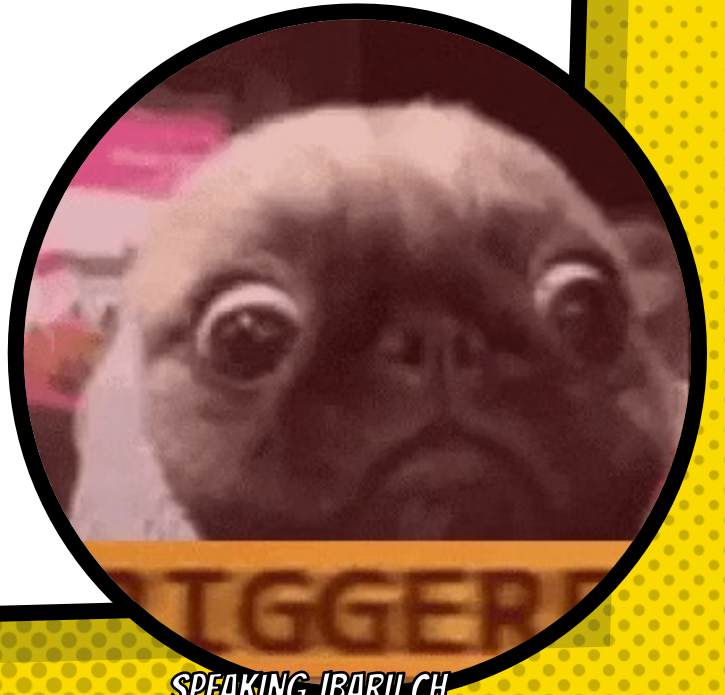
Senior Developer
Oct 2004 - Jan 2007 · 2 yrs 4 mos

Working on various projects in BMC Software Israel



The Phoenix Project

NOT A SINGLE DEVELOPER!



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**.

@JBARUCH #JCON2024 #DPE SPEAKING.JBARU.CH

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,

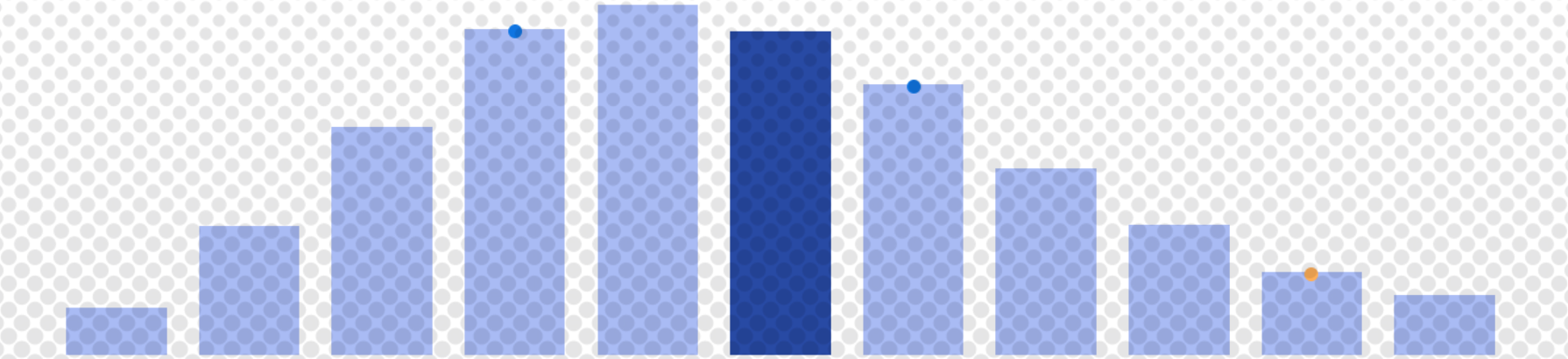
Being a Linux administrator will help you to easily get started with DevOps because it starts with learning Linux fundamentals, DevOps also includes cloud computing concepts like AWS. More importantly DevOps is all about tools, it comes with hundreds of tools. Gits, Chef, Maven, Jenkins, Puppet, Docker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

System Administrator Salary

Yearly | Monthly | Weekly | Hourly | Table View

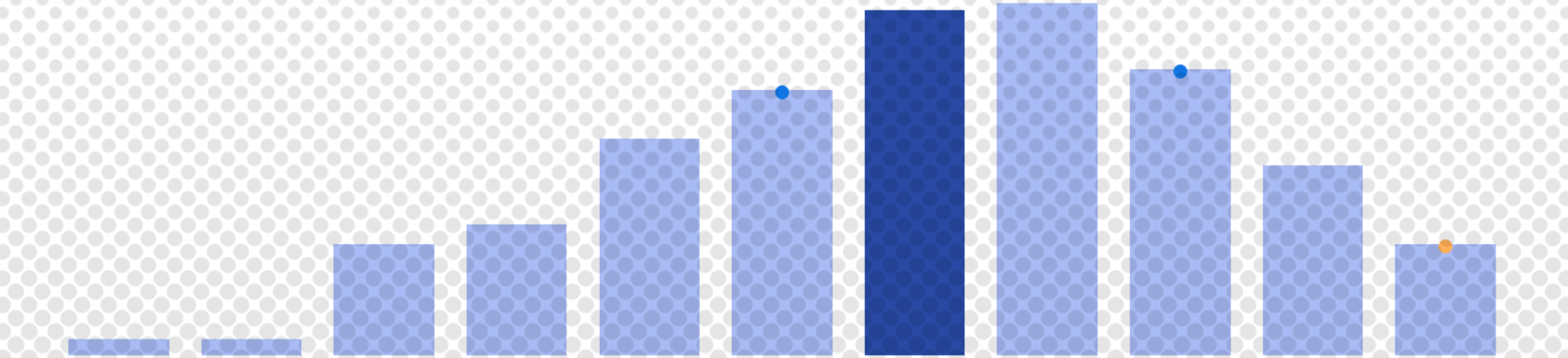


$76,644 /year

$37 /hour

Devops Engineer Salary

Yearly Monthly Weekly Hourly Table View



$127,036 /year

$61 /hour

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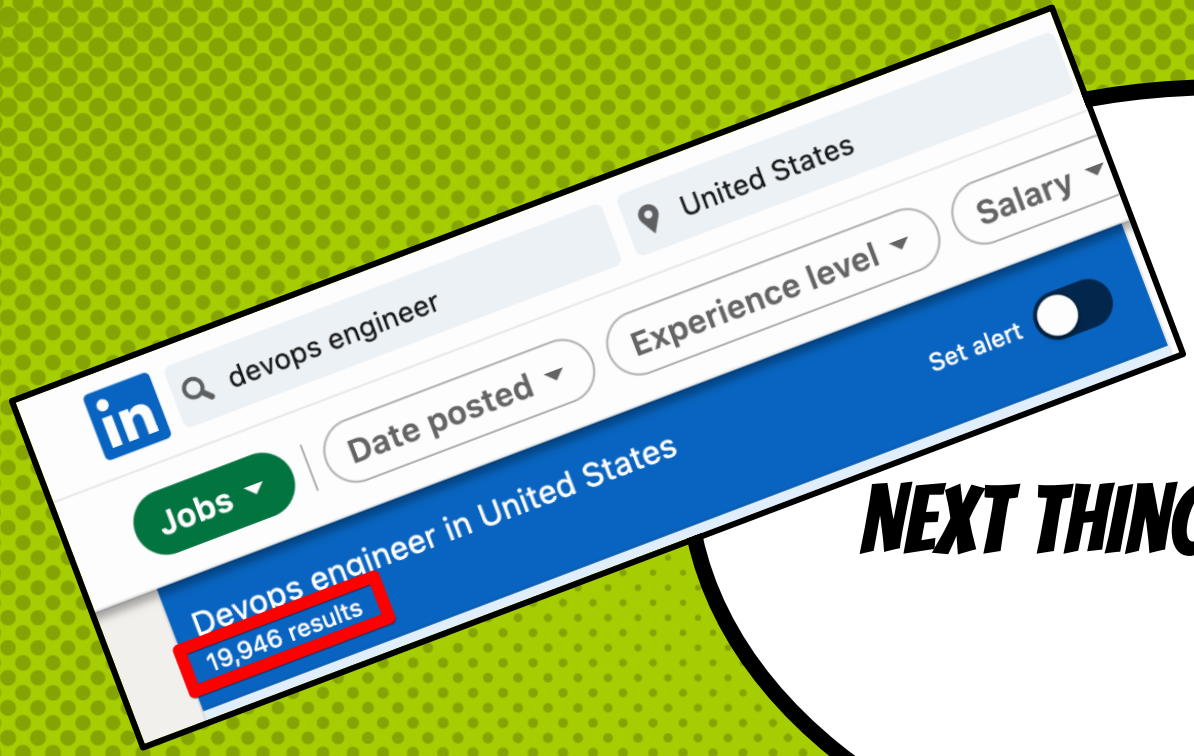

NEXT THING YOU KNOW...

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AWS Marketplace
Customer Enablement
Events
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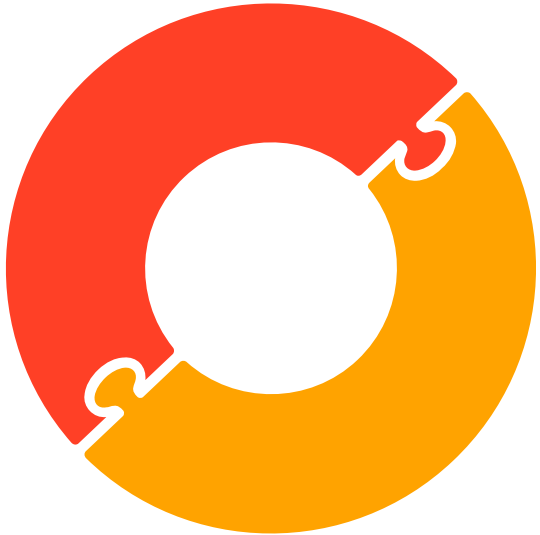
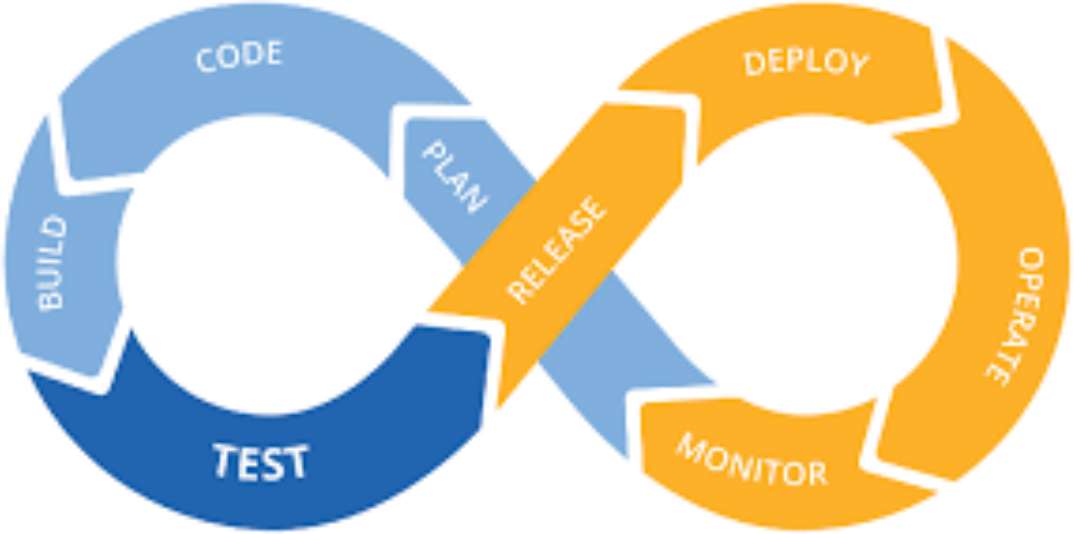
Training and Certification
Get Trained
Get Certified
Develop Your Team
AWS Partner Training
AWS Certified DevOps Engineer - Professional
Learn more about this certification and AWS resources that can help you prepare
Explore exam prep
Schedule an exam

AND THIS:

CAUSE AND EFFECT?




CODE
PLAN
BUILD
TEST
RELEASE
DEPLOY
OPERATE
MONITOR

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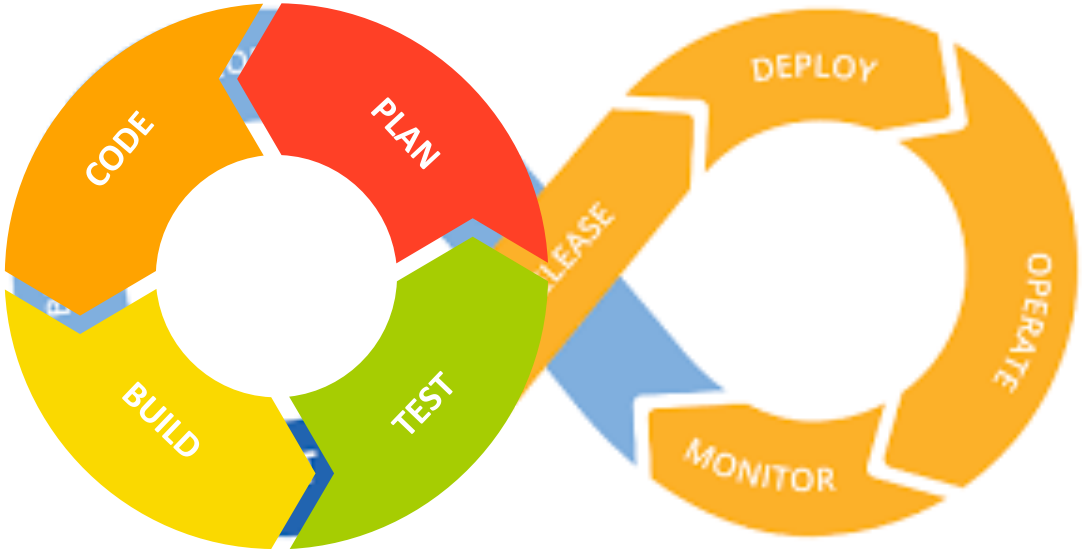
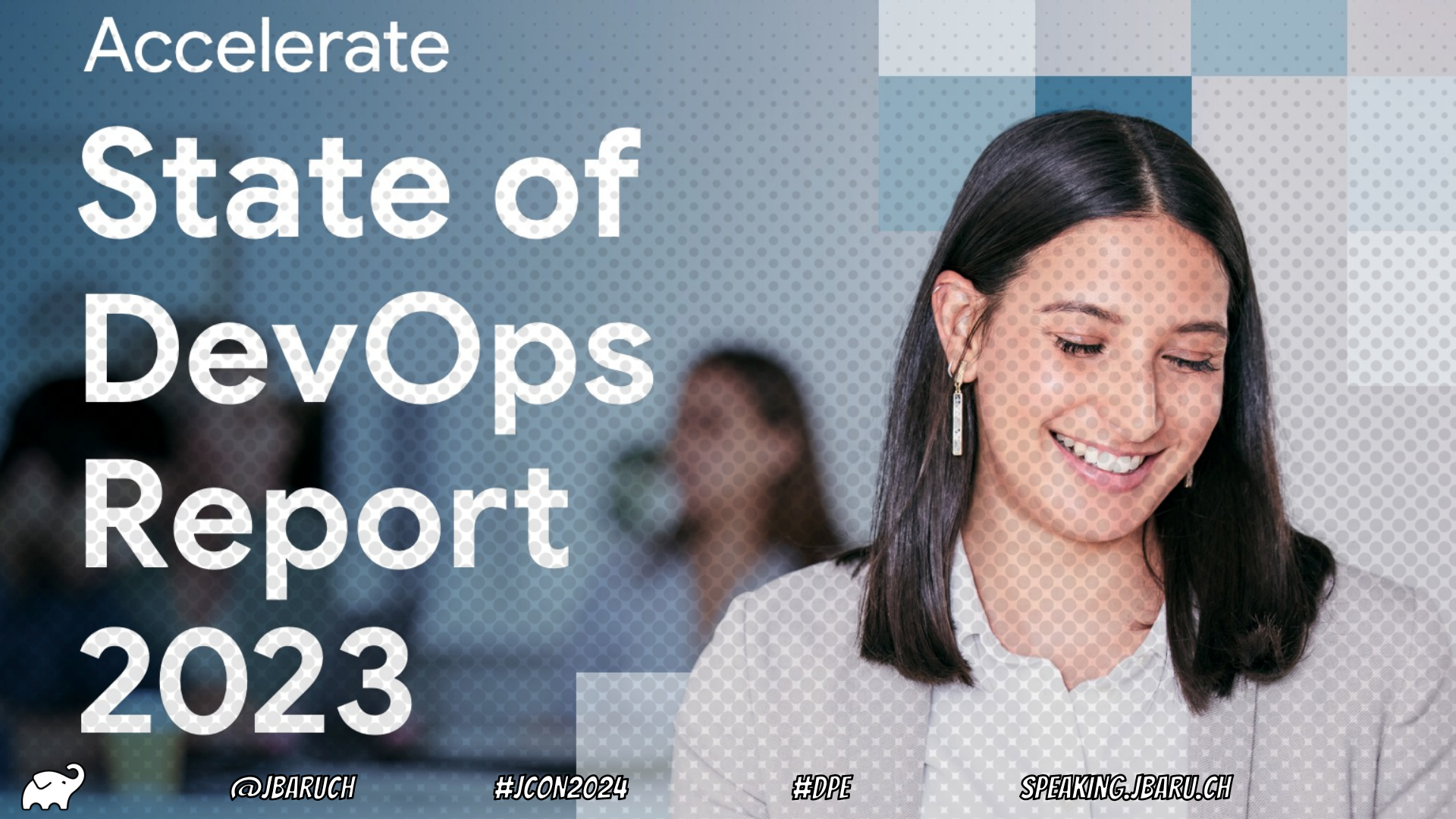
AGILE!


CODE
PLAN
BUILD
TEST
RELEASE
DEPLOY
OPERATE
MONITOR

Accelerate

State of DevOps Report 2023



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%

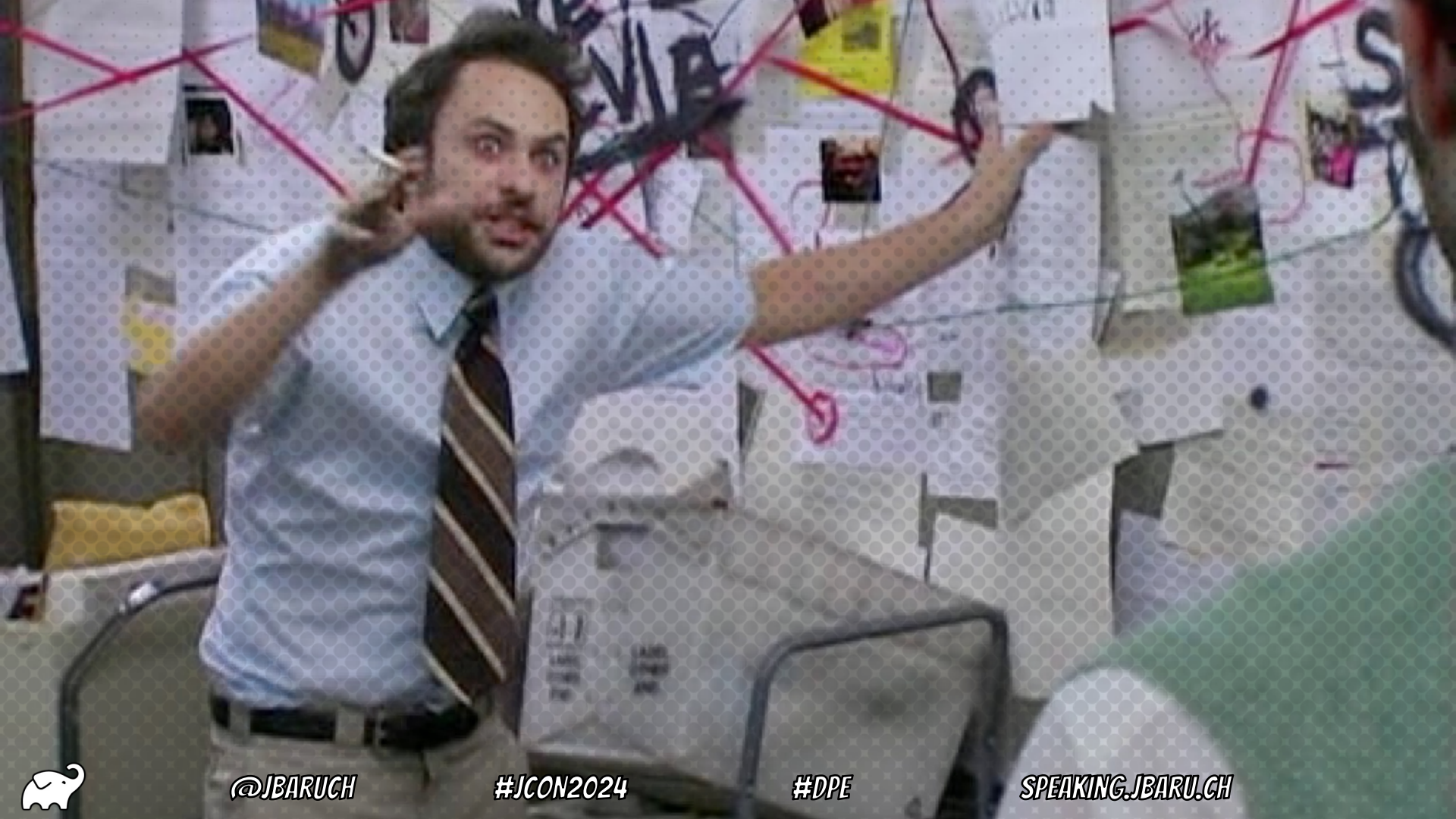
Types of work according to DevOps

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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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**

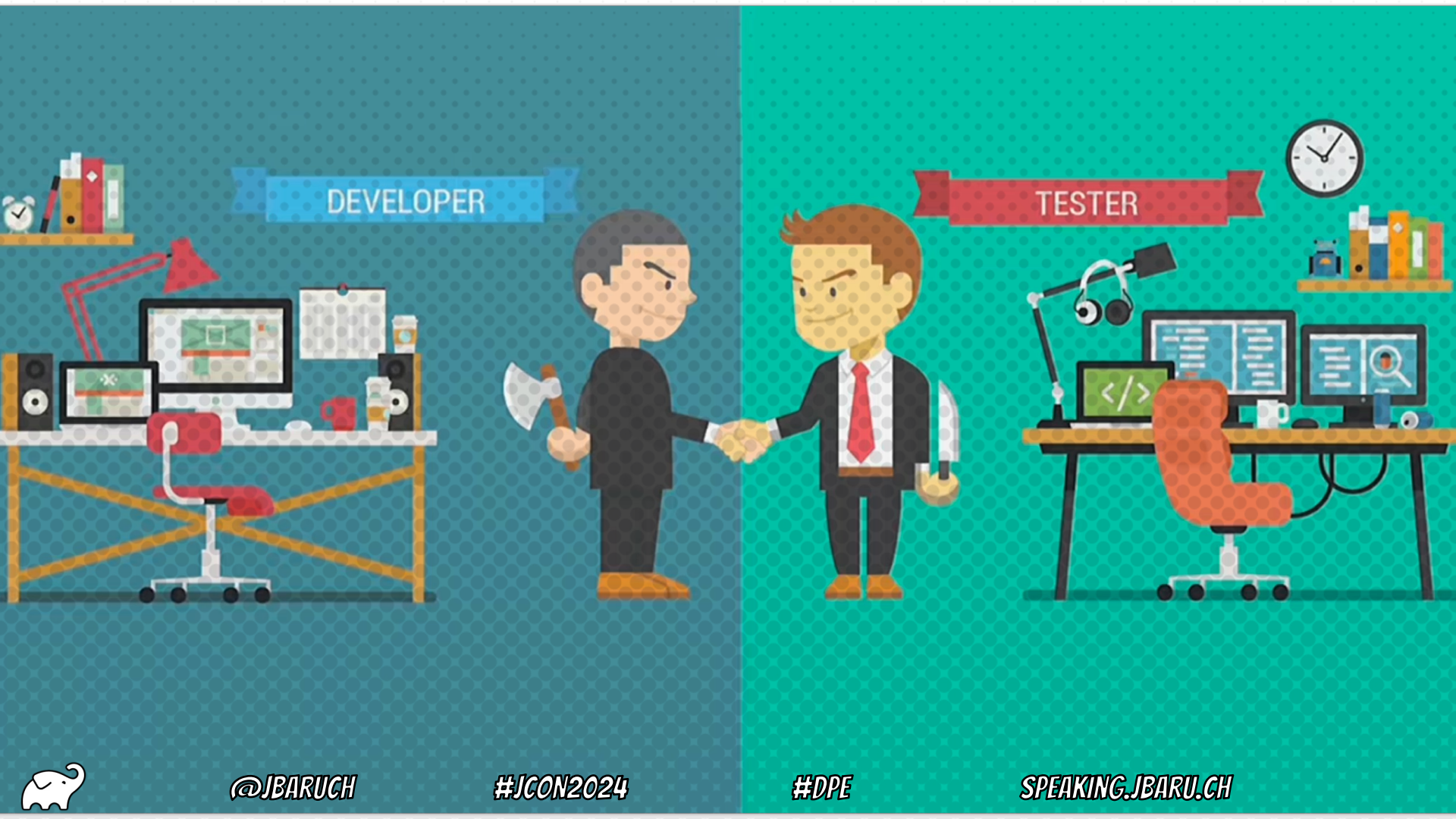
Not only individuals and interactions,
but also **a community of professionals**

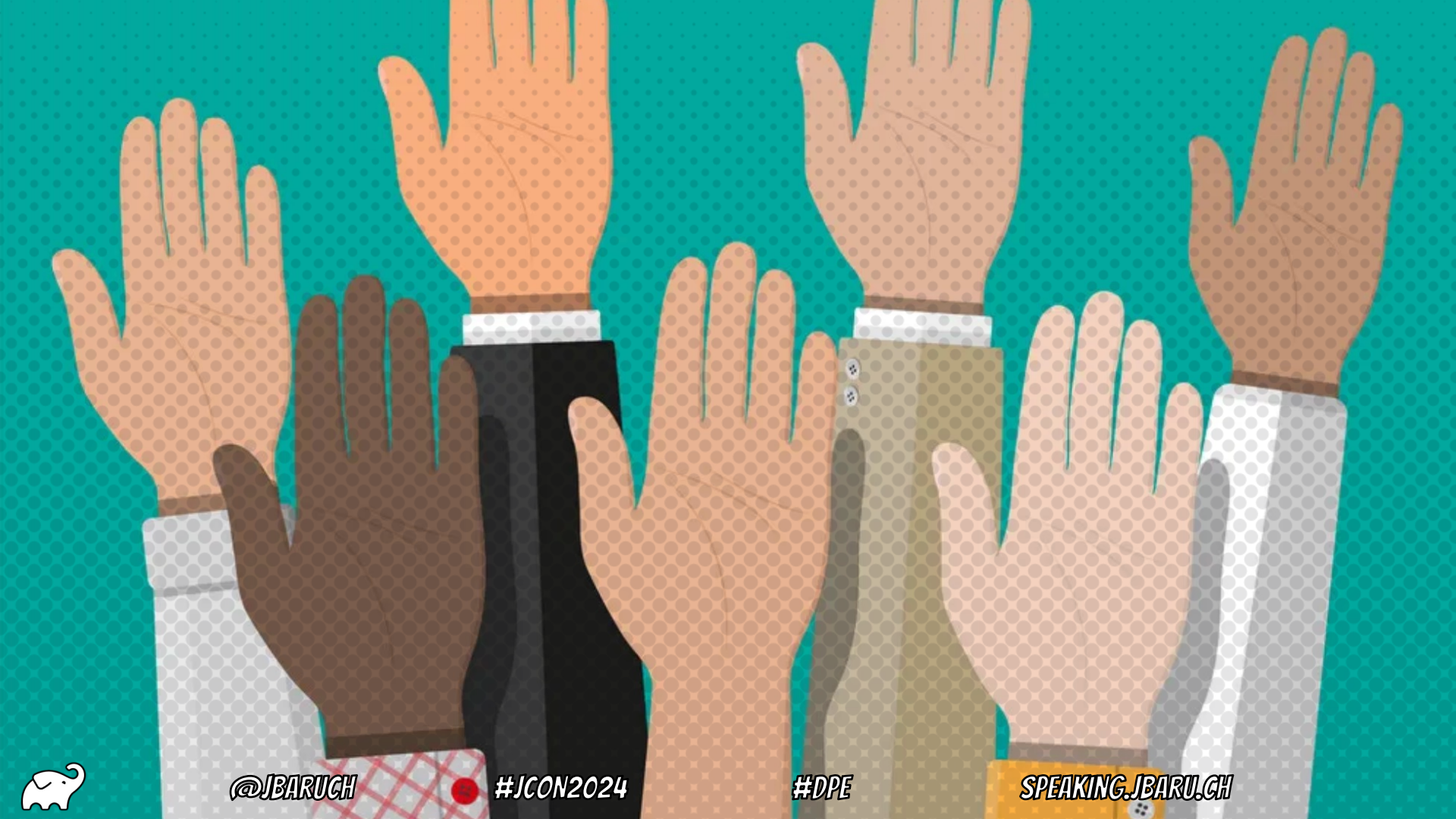
Not only customer collaboration,
but also **productive partnerships**

That is, in pursuit of the items on the left we have found the items on the right to be indispensable.

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

CHASE

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Start banking online now
Get a User ID
GO

Get the Details

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

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

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

12 HOURS MAINTENAN
FOR WEBSITE UPDATE
TO ENSURE QUALITY

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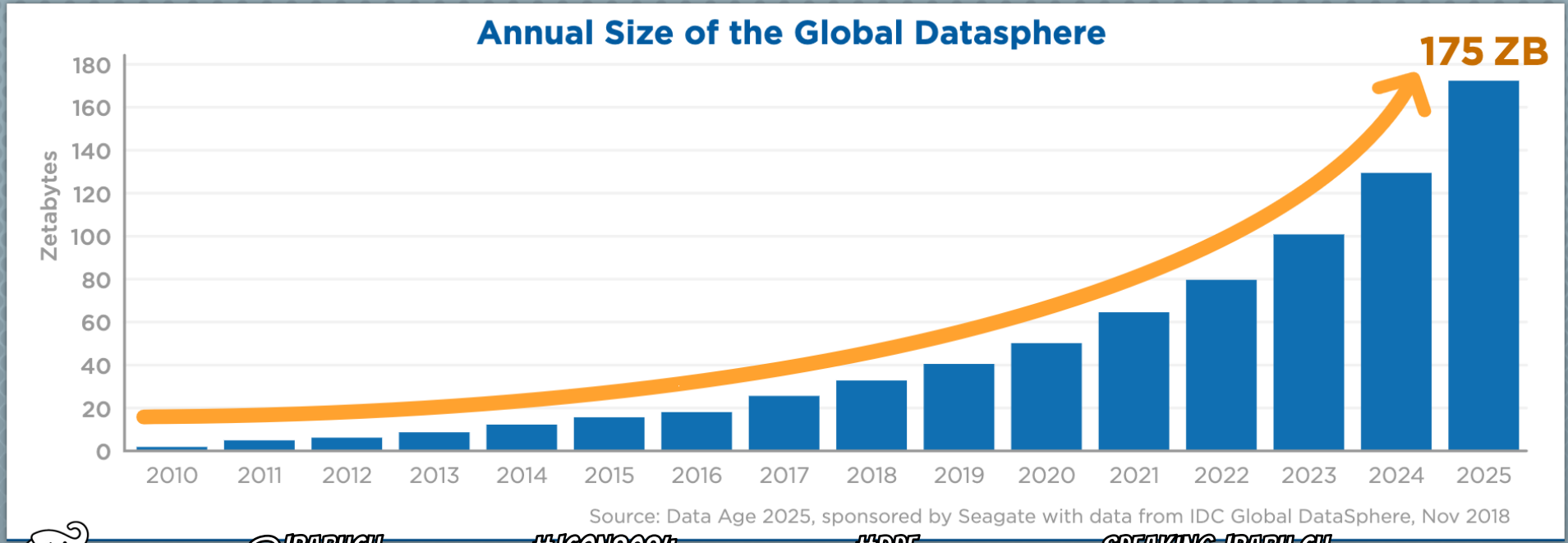
CODE QUALITY IS NOT ENOUGH



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

WHAT DO WE DO?!

PROGRESSIVE DELIVERY
CANARY DEPLOYMENTS
CONTROLLED ROLLOUT
FEATURE FLAGS
OBSERVABILITY
ROLLBACKS
BLAST RADIUS
ON-CALL
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PRODUCTION STEAMS ITS WAY TO THE DEVELOPERS!

WELCOME TO ON-CALL!

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)
- × It's DevOps ready

DevOps-ready software (a.k.a. cloud-native)

- × Clear deployment plan
- × Stable and fast build
- × Stateless code
- × Fast startup and stop
- × Observability
- × Feature flags
- × Backwards and forward-compatible
- × Event streaming

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

WELCOME TO DEVOPS!
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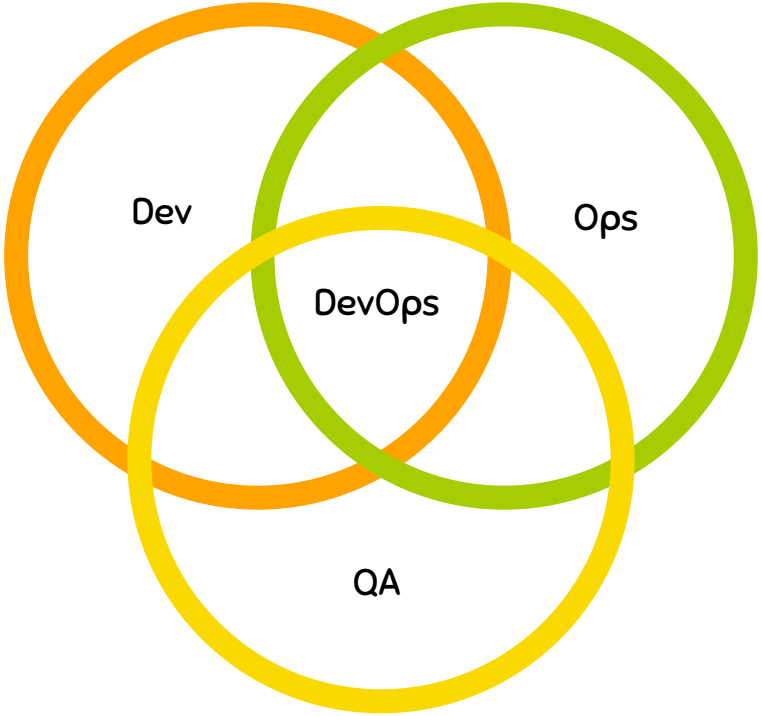
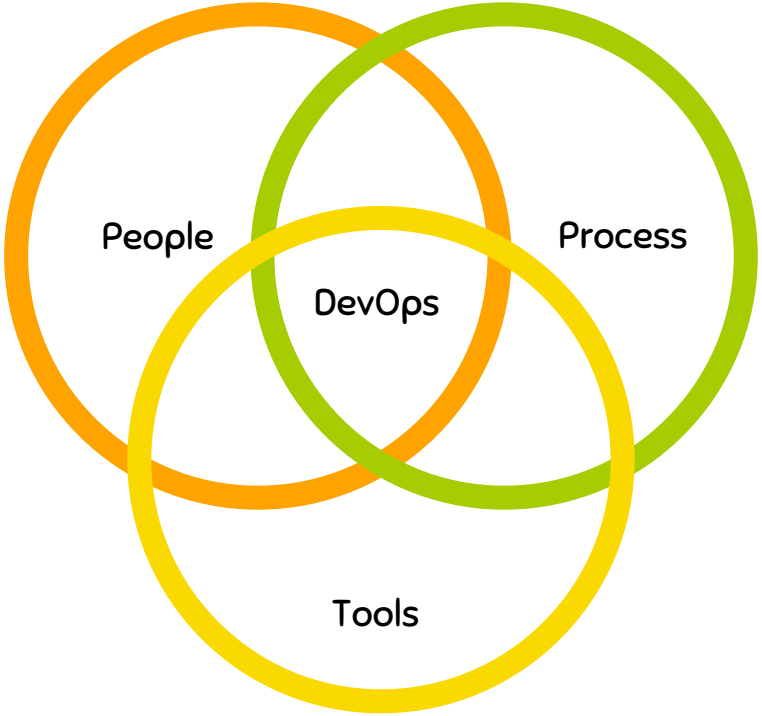
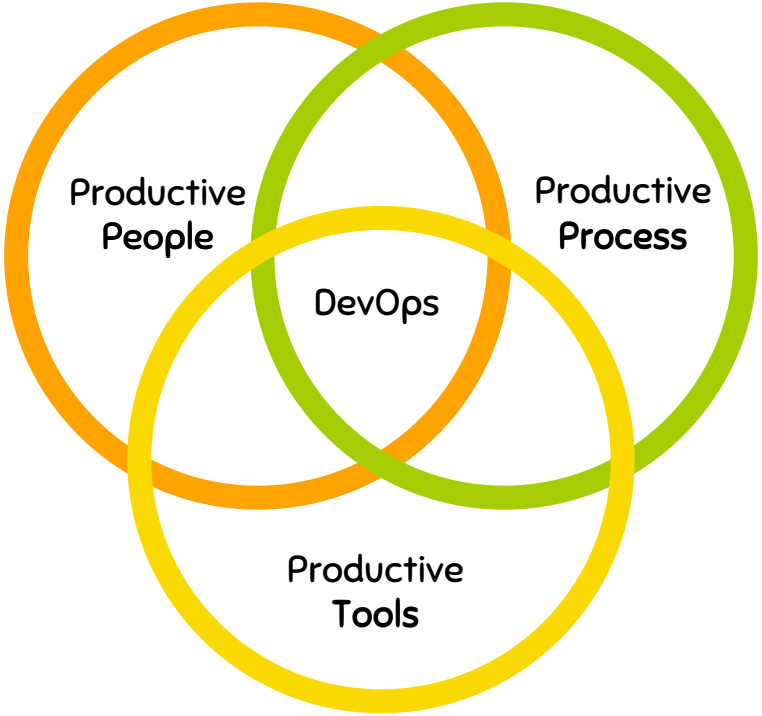
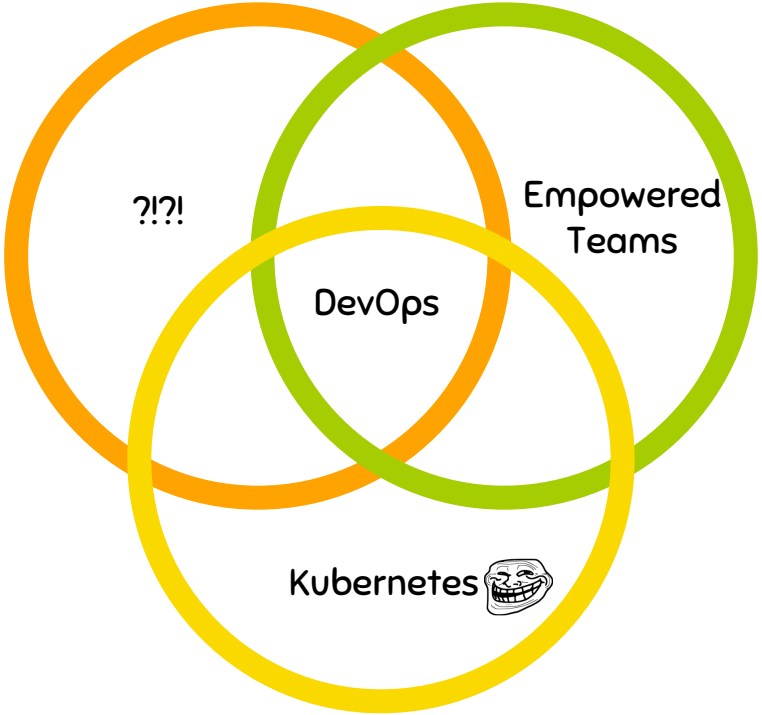
HOW DO WE GO FROM 😕 TO 😁 ?!


Dev
Ops
DevOps
QA

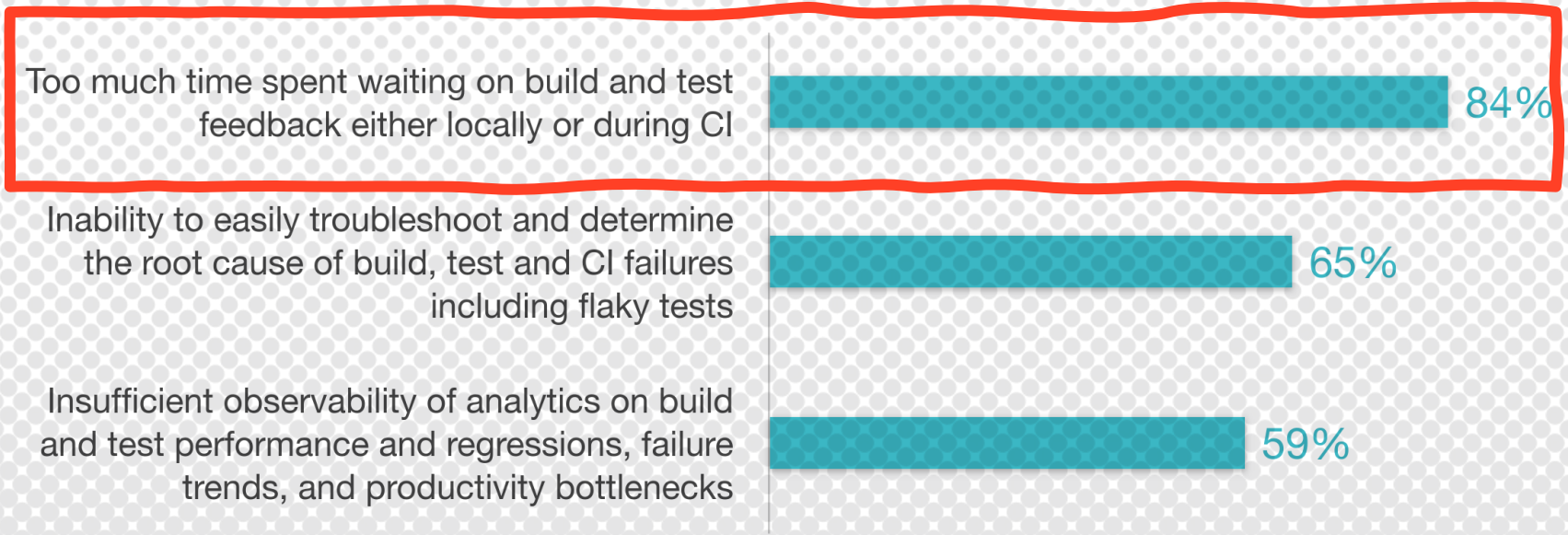

People
Process
DevOps
Tools

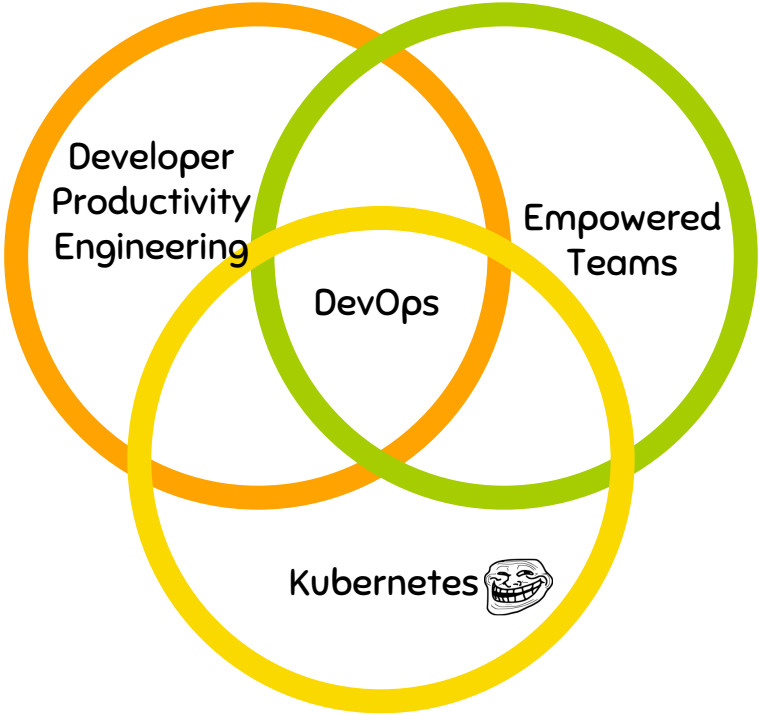

Productive
People
Productive
Process
DevOps
Productive
Tools


?!?!
Empowered Teams
DevOps
Kubernetes

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

DevOps against Developers?

- DevOps mainly solves Ops' concerns by making processes and ops tools more productive
- Developer Productivity Engineering makes devs more productive
- This is how we bring developers into the fold of DevOps

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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THANKS!

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