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
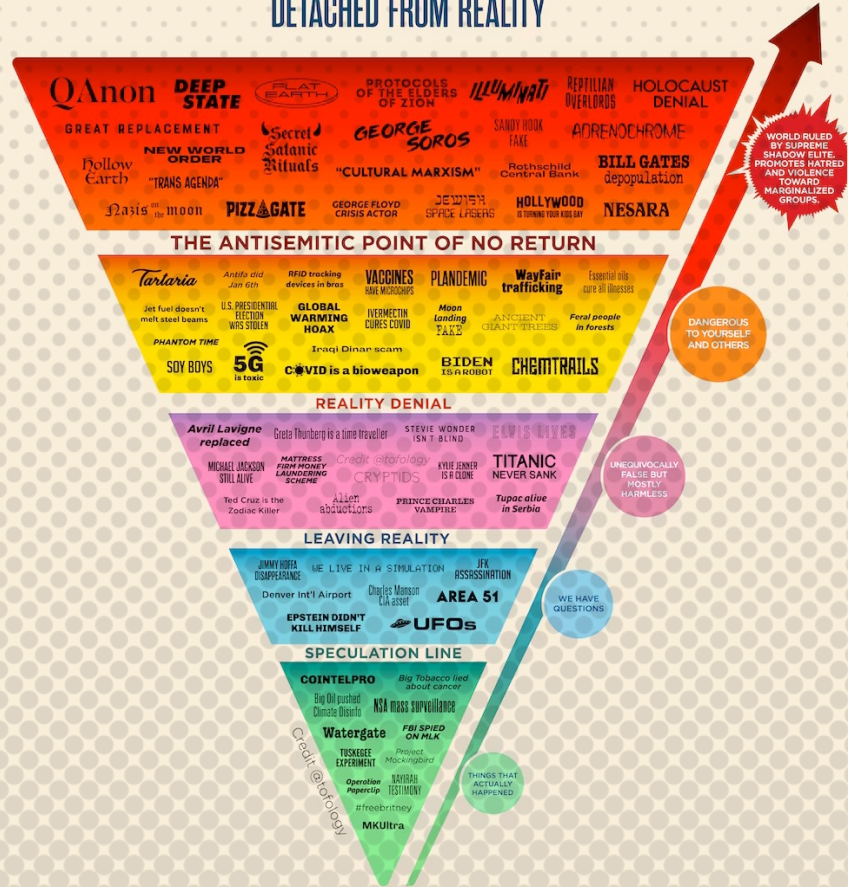
DETACHED FROM REALITY

QAnon DEEP STATE FLAT EARTH PROTOCOLS OF THE ELDERS OF ZION ILLUMINATI REPTILIAN OVERLORDS HOLOCAUST DENIAL
GREAT REPLACEMENT Secret Satanic Rituals GEORGE SOROS SANDY HOOK FAKE ADRENOCHROME
Hollow Earth NEW WORLD ORDER "CULTURAL MARXISM" Rothschild Central Bank BILL GATES depopulation
"TRANS AGENDA"
Nazis on the moon PIZZAGATE GEORGE FLOYD CRISIS ACTOR JEWISH SPACE LASERS HOLLYWOOD IS TURNING YOUR KIDS GAY NESARA

WORLD RULED BY SUPREME SHADOW ELITE, PROMOTES HATRED AND VIOLENCE TOWARD MARGINALIZED GROUPS.

THE ANTISEMITIC POINT OF NO RETURN

Tartaria Antifa did Jan 6th RFID tracking devices in bras VACCINES HAVE MICROCHIPS PLANDEMIC WayFair trafficking Essential oils cure all illnesses
Jet fuel doesn't melt steel beams U.S. PRESIDENTIAL ELECTION WAS STOLEN GLOBAL WARMING HOAX IVERMECTIN CURES COVID Moon Landing FAKE ANCIENT GIANT TREES Feral people in forests
PHANTOM TIME Iraqi Dinar scam
SOY BOYS 5G is toxic COVID is a bioweapon BIDEN IS A ROBOT CHEMTRAILS

DANGEROUS TO YOURSELF AND OTHERS

REALITY DENIAL

Avril Lavigne replaced Greta Thunberg is a time traveller STEVIE WONDER ISN'T BLIND ELVIS LIVES
MICHAEL JACKSON STILL ALIVE MATTRESS FIRM MONEY LAUNDERING SCHEME Credit @tofology CRYPTIDS KYLIE JENNER IS A CLONE TITANIC NEVER SANK
Ted Cruz is the Zodiac Killer Alien abductions PRINCE CHARLES VAMPIRE Tupac alive in Serbia

UNEQUIVOCALLY FALSE BUT MOSTLY HARMLESS

LEAVING REALITY

JIMMY HOFFA DISAPPEARANCE WE LIVE IN A SIMULATION JFK ASSASSINATION
Denver Int'l Airport Charles Manson CIA asset AREA 51
EPSTEIN DIDN'T KILL HIMSELF UFOs

WE HAVE QUESTIONS

SPECULATION LINE

COINTELPRO Big Tobacco lied about cancer
Big Oil pushed Climate Disinfo NSA mass surveillance
Watergate FBI SPIED ON MLK
TUSKEGEE EXPERIMENT Project Mockingbird
Operation Paperclip NAYIRAH TESTIMONY
#freebritney
MKUltra

THINGS THAT ACTUALLY HAPPENED

Credit @tofology
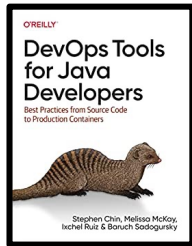
GROUNDED IN REALITY

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.cl

× 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
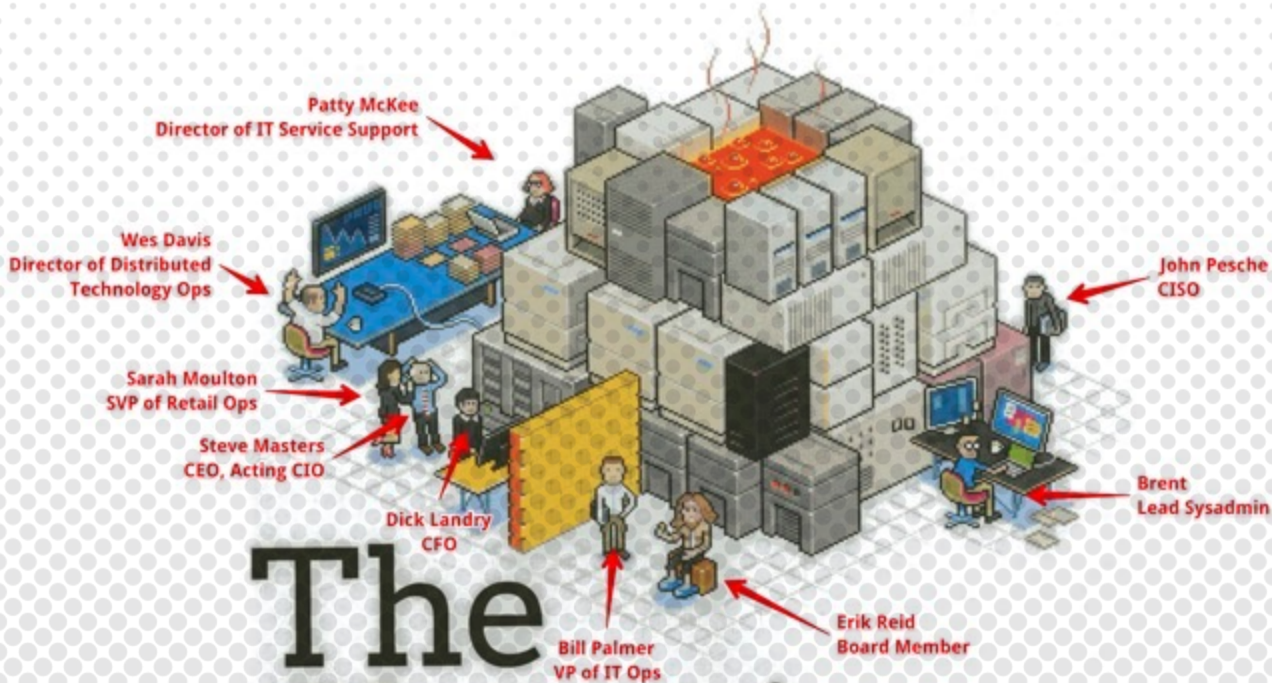
The Phoenix Project

- **Patty McKee** — Director of IT Service Support
- **Wes Davis** — Director of Distributed Technology Ops
- **John Pesche** — CISO
- **Sarah Moulton** — SVP of Retail Ops
- **Steve Masters** — CEO, Acting CIO
- **Brent** — Lead Sysadmin
- **Dick Landry** — CFO
- **Bill Palmer** — VP of IT Ops
- **Erik Reid** — Board Member

NOT A SINGLE DEVELOPER!

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   @VOXXEDTICINO   SPEAKING.JBARU.CH
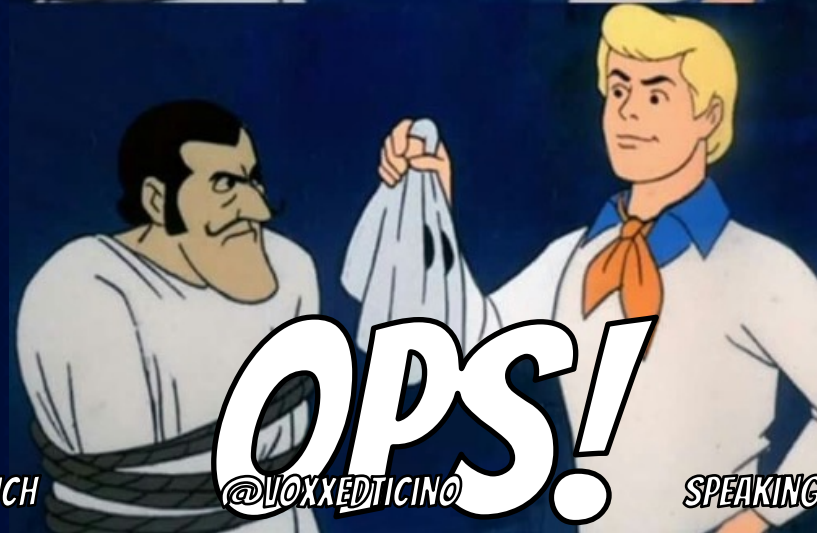
Y THO...

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.

System Administrator Salary
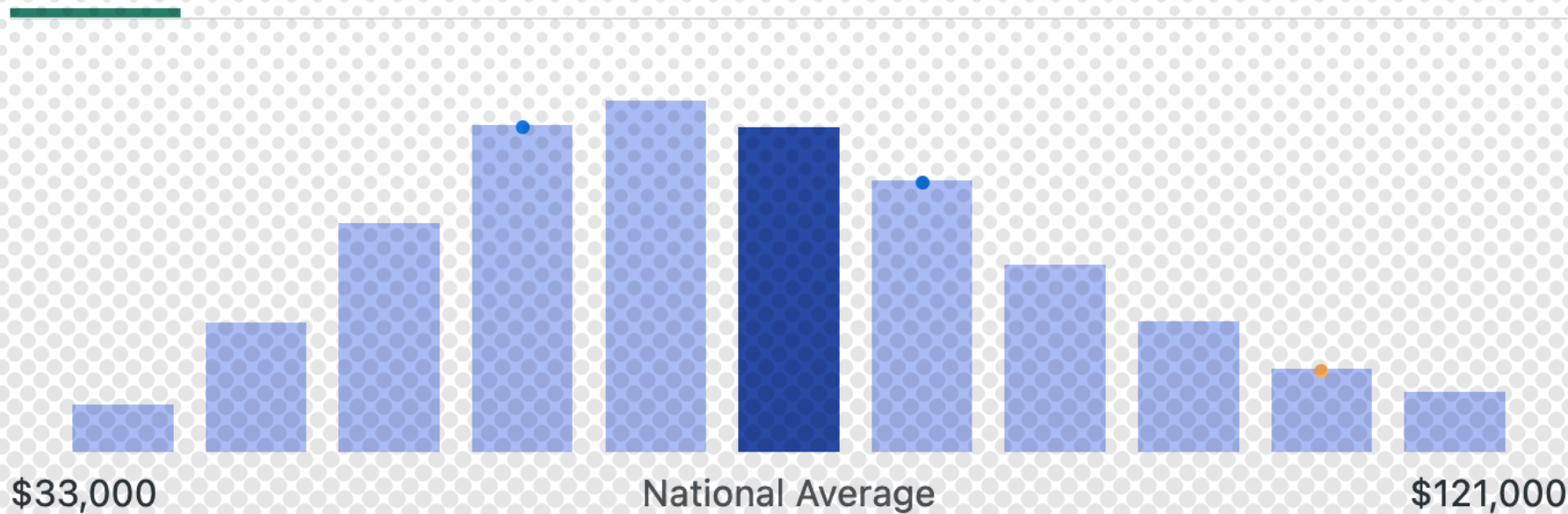
$33,000

National Average

$121,000

$76,644 /year

Devops Engineer Salary
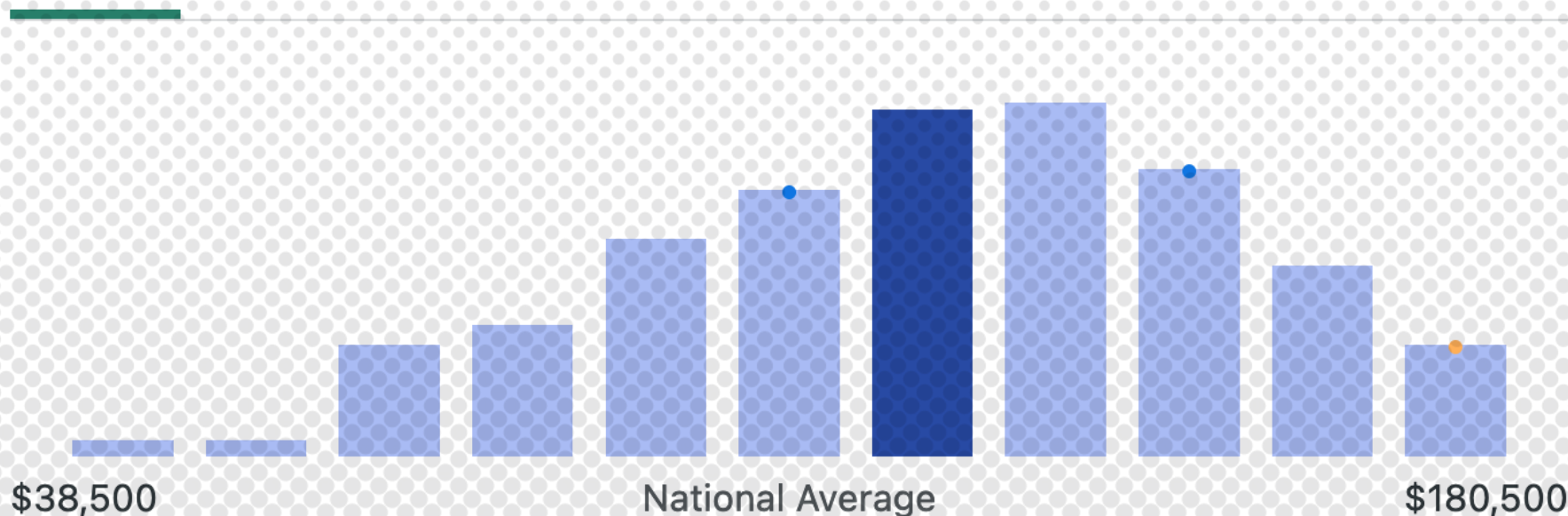
$38,500   National Average $180,500

$127,036 /year

$61/hour
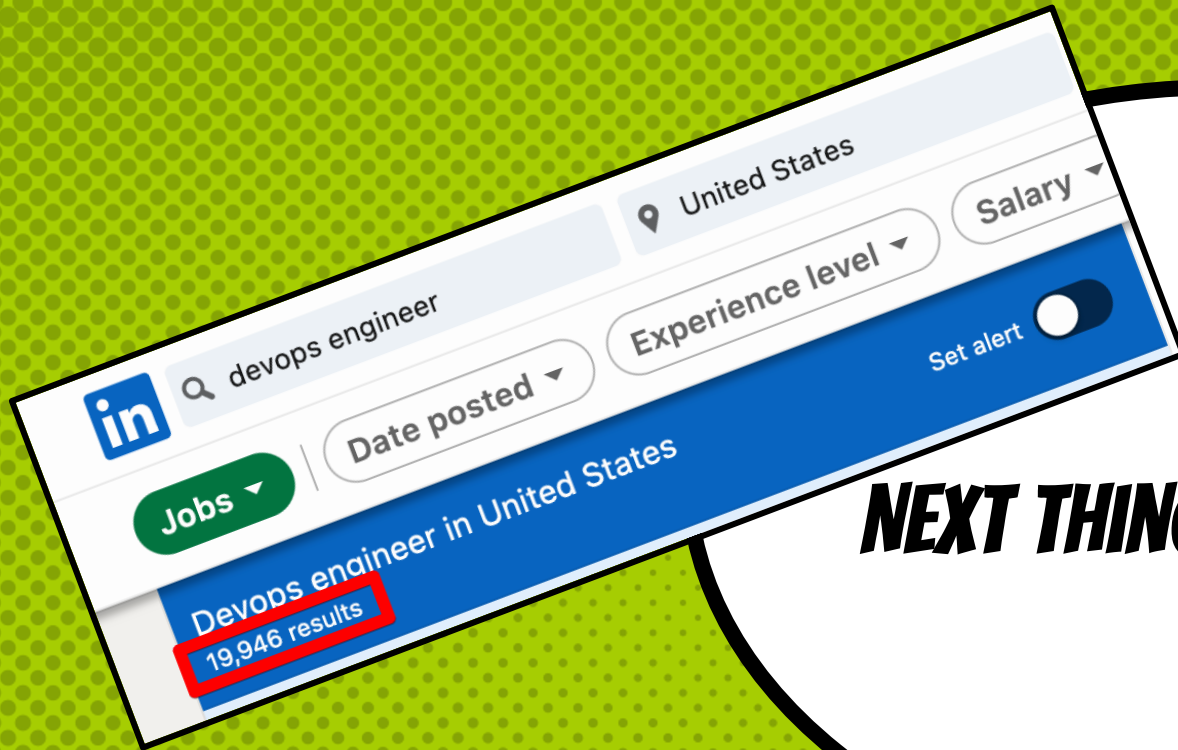
AND THIS:

RAGE!

(BUT WE'LL GET TO IT LATER)

BBC NEWS | MUNDO

Parrot learns how to ask "Why?" repeatedly and is promoted to Engineering Manager
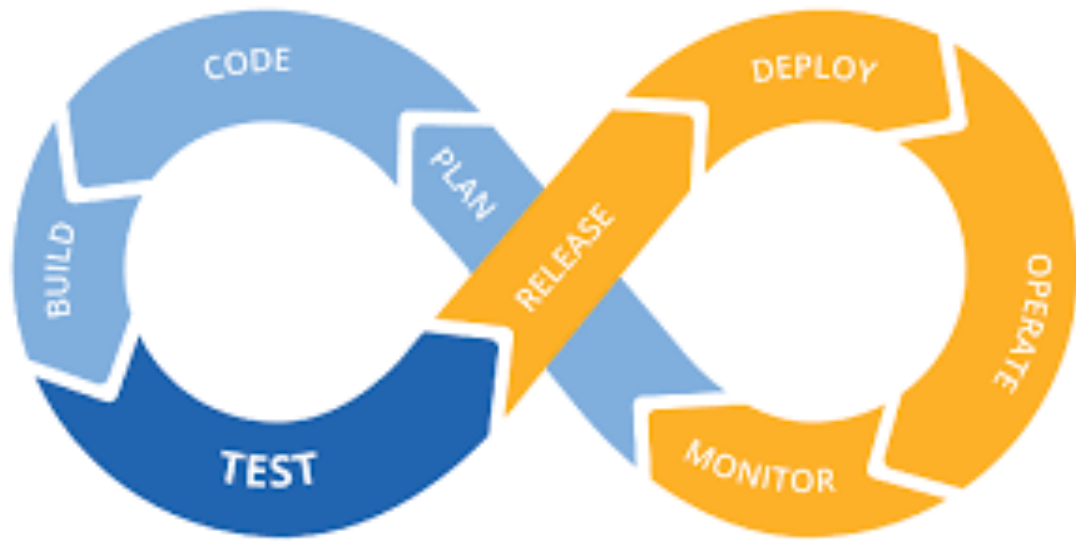
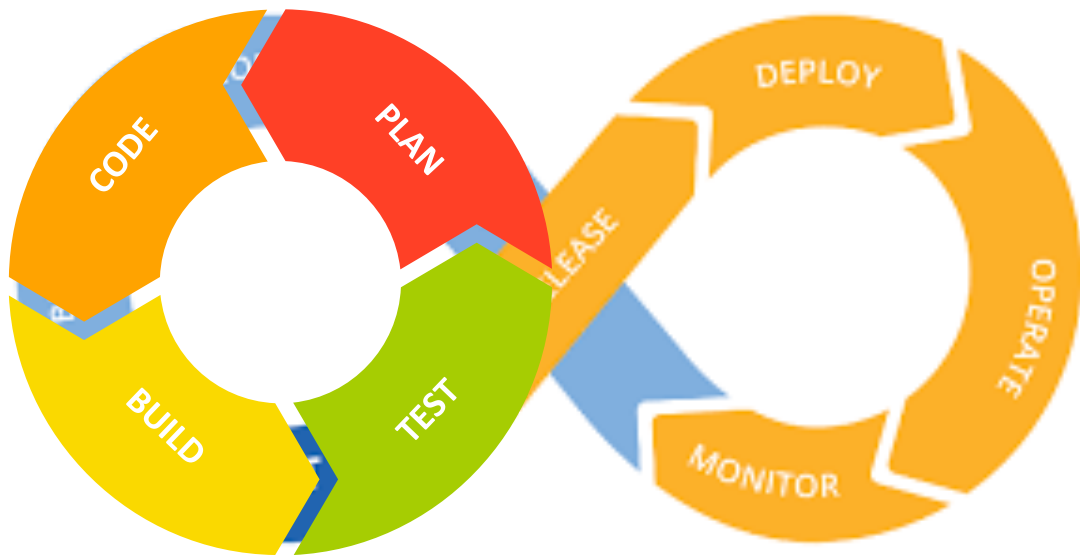@JBARUCH   @VOXXEDTICINO   SPEAKING.JBARU.CH

2024

Accelerate
State of DevOps

Gold Sponsors

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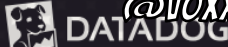
Time Spent	Elite	High
NEW WORK	**50%**	**50%**
Unplanned work and rework	19.5%	20%[a]
Remediating security issues	5%	5%[b]
Working on defects identified by end users	10%	10%[c]
Customer support work	5%	10%

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
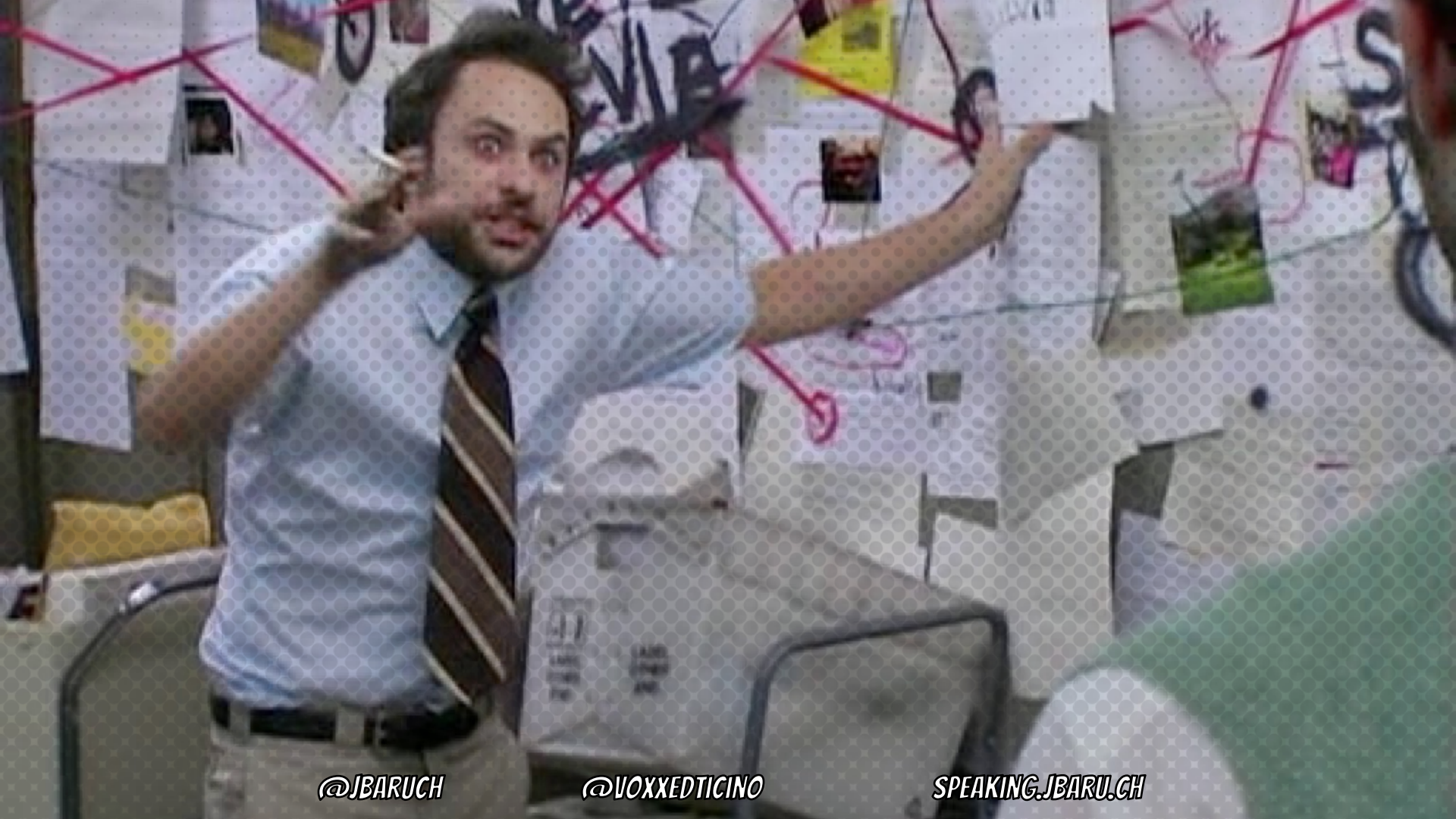
Manifesto for Software Craftsmanship

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
~~i~~ the right to b~~i~~d N~~i~~ld

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

TRACTORMEN, IMPROVE THE QUALITY OF TRACTOR-TRAILER TRACKING!

INTERNET ARCHIVE

WayBackMachine

CHASE

Find ATM / Branches | Co

Start banking online now
Get a User ID
GO

Details ▶

It's more than free.

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

Personal Lending
▸ Home Equity
  Loans & Lines
▸ Mortgage
▸ Auto/Vehicle Loans
▸ Student Loans

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

Insurance & Investing
▸ Insurance
▸ Investing
▸ Retirement Planning

Tell me about...
▸ Premier Platinum Banking
  Exclusive banking and investment benefits for clients with higher balances
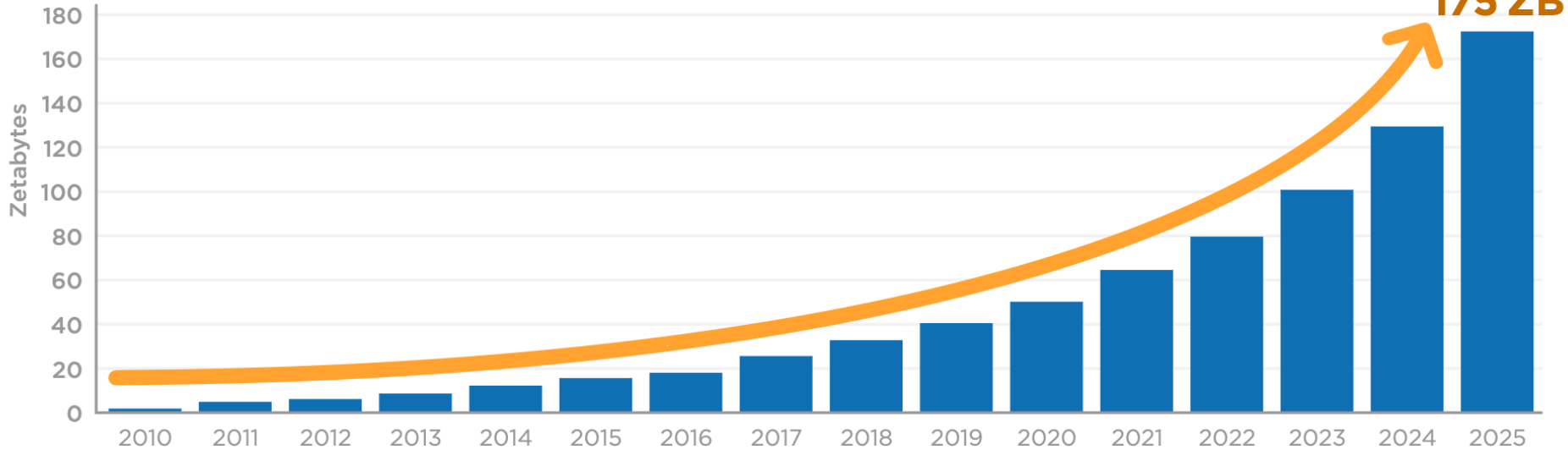
News & Announcements

▸ 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

**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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Zettabyte Era

Article   Talk   Read   Edit   View history   Tools

From Wikipedia, the free encyclopedia

The **Zettabyte Era** or **Zettabyte Zone**[1] is a period of human and computer science history that started in the mid-2010s. The precise starting date depends on whether it is defined as when the global IP traffic first exceeded one zettabyte, which happened in 2016, or when the amount of digital data in the world first exceeded a zettabyte, which happened in 2012. A zettabyte is a multiple of the unit byte that measures digital storage, and it is equivalent to 1,000,000,000,000,000,000,000 (10^{21}) bytes.[2]

According to Cisco Systems, an American multinational technology conglomerate, the global IP traffic achieved an estimated 1.2 zettabytes in 2016, an average of 96 exabytes (EB) per month. Global IP traffic refers to all digital data that passes over an IP network which includes, but is not limited to, the public Internet. The largest contributing factor to the growth of IP traffic comes from video traffic (including online streaming services like Netflix and YouTube).[3][4]

The Zettabyte Era can also be understood as an age of growth of all forms of digital data that exist in the world which includes the public Internet, but also all other forms of digital data such as stored data from security cameras or voice data from cell-phone calls.[5] Taking into account this second definition of the Zettabyte Era, it was estimated that in 2012 upwards of 1 zettabyte of data existed in the world and that by 2020 there would be more than 40 zettabytes of data in the world at large.[6]

The Zettabyte Era translates to difficulties for data centers to keep up with the explosion of data consumption, creation and replication.[7] In 2015, 2% of total global power was taken up by the Internet and all its components, so energy efficiency with regards to data centers has become a central problem in the Zettabyte Era.[8]

STAGING SERVER

JOLLY WHERE THE TIMES
WHEN WE COULD TEST EVERYTHING
BEFORE DEPLOYING TO PRODUCTION

1985 - 2015

WHAT DO WE DO?!

PRODUCTION STEAMS ITS WAY TO THE DEVELOPERS!
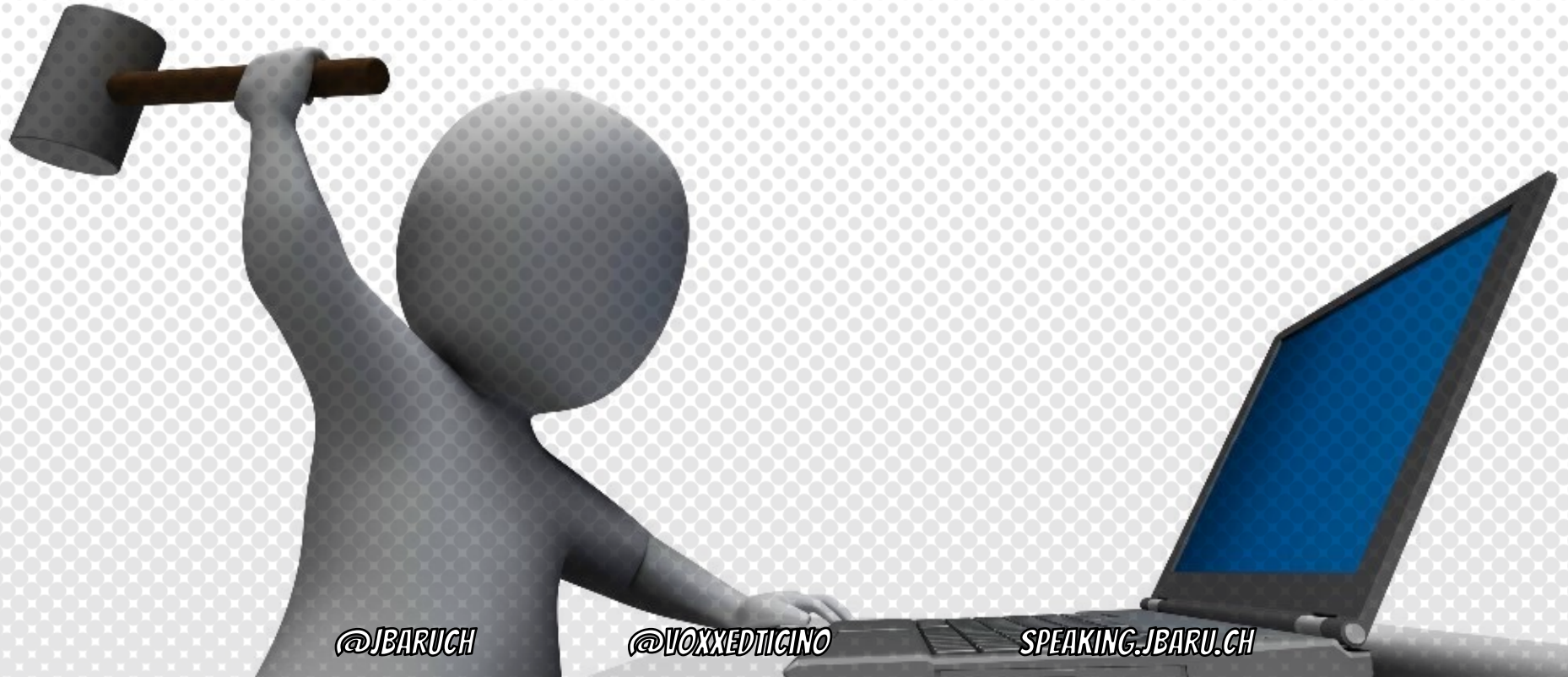
WELCOME TO ON-CALL!

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)
- × DevOps are ready

WHO IS THIS "DEVOPS" PERSON?!

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HELLO!

I am Baruch and I have an obsession

"DEVOPS ENGINEER"
IS NOT A THING

@JBARUCH   @VOXXEDTICINO   SPEAKING.JBARU.CH

COLLABORATION ENGINEER

@JBARUCH   @VOXXEDTICINO   SPEAKING.JBARU.CH

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

LET'S BREAK DOWN THIS SILO!
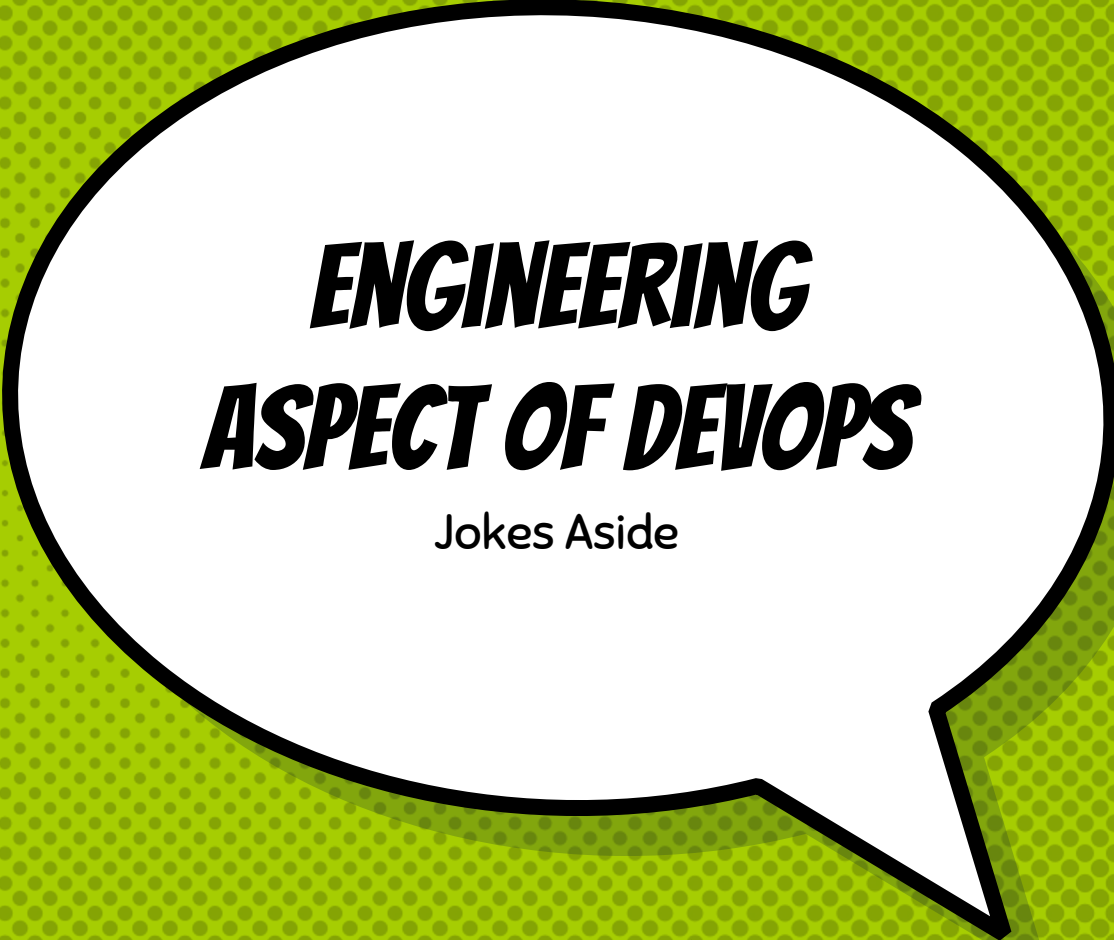
THE RISE OF THE DEVDEVOPS!

Class SRE implements DevOps.

NO ONE WANTS TO BE A "SITE RELIABILITY ENGINEER"

@JBARUCH   @VOXXEDTICINO   SPEAKING.JBARU.CH

EVERYBODY WANTS TO BE A "PLATFORM ENGINEER"

@JBARUCH   @VOXXEDTICINO   SPEAKING.JBARU.CH

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 plat @JBARUCH er same as De @VOXXEDTICINO

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

@JBARUCH   @VOXXEDTICINO   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)
- ✕ PEs are happy

WHAT MAKES PLATFORM ENGINEERS HAPPY

× Modular

× Deployable

× Observable

× Scalable

× Upgradable

× Downgradable

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
- × Our code is cheap

Save MORE by wasting LESS

|		
▼ **Elastic Compute Cloud**		**$1,181.41**
▼ **US East (N. Virginia)**		**$845.47**
Amazon Elastic Compute Cloud running Linux/UNIX		$120.47
$0.00 per Linux t2.micro instance-hour (or partial hour) under monthly free tier	750 Hrs	$0.00
$0.0058 per On Demand Linux t2.nano Instance Hour	1,788 Hrs	$10.37
t2.nano Linux instance usage covered by Compute Savings Plans	1,040 Hrs	-$6.03
$0.0116 per On Demand Linux t2.micro Instance Hour	144 Hrs	$1.67
t2.micro Linux instance usage covered by Compute Savings Plans	144 Hrs	-$1.67
$0.096 per On Demand Linux m5.large Instance Hour	1,341 Hrs	$128.74
m5.large Linux instance usage covered by Compute Savings Plans	780 Hrs	-$74.88
$0.133 per On Demand Linux r4.large Instance Hour	448 Hrs	$59.58
r4.large Linux instance usage covered by Compute Savings Plans	261 Hrs	-$34.71
$0.20 per On Demand Linux m4.xlarge Instance Hour	448 Hrs	$89.60
m4.xlarge Linux instance usage covered by Compute Savings Plans	261 Hrs	-$52.20
Amazon Elastic Compute Cloud running Linux/UNIX Reserved Instances 🖼		$0.00
Linux/UNIX (Amazon VPC), c5.large reserved instance applied, c5.large instance used	448 Hrs	$0.00
USD 0.0 hourly fee per Linux/UNIX (Amazon VPC), c5.large instance	720 Hrs	$0.00
USD 0.0 hourly fee per Linux/UNIX (Amazon VPC), c4.large instance	720 Hrs	$0.00
Amazon Elastic Compute Cloud running Linux/UNIX Spot Instances 🖼		$442.61
r4.xlarge Linux/UNIX Spot Instance-hour in US East (Virginia) in VPC Zone #7	4,506.805 Hrs	$386.23
t3.medium Linux/UNIX Spot Instance-hour in US East (N. Virginia) in VPC Zone #12	4,510 Hours	$56.38
Amazon Elastic Compute Cloud running Windows Spot Instances 🖼		$253.46
c3.large Windows Spot Instance-hour in US East (Virginia) in VPC Zone #7	2,255 Hrs	$253.46
EBS		$28.93
$0.00 for 480 Mbps per m5.large instance-hour (or partial hour)	447 Hrs	$0.00
$0.00 for 525 Mbps per c5.large instance-hour (or partial hour)	448 Hrs	$0.00
$0.00 per GB-month of General Purpose (SSD) provisioned storage under monthly free tier	20.067 GB-Mo	$0.00
$0.000 for 750 Mbps per m4.xlarge instance-hour (or partial hour)	448 Hrs	$0.00
$0.10 per GB-month of General Purpose SSD (gp2) provisioned storage - US East (Northern Virginia)	289.298 GB-Mo	$28.93
Elastic Load Balancing - Application		$0.00
$0.00 per Application LoadBalancer~~~~~~hour) under monthly~~~~~Hrs		$0.00

ChatGPT 4o ⌄

Developers can help reduce AWS costs by being mindful of resource usage and implementing cost-efficient practices during development. Here's how:

1. Optimize Code

- **Reduce Compute Requirements:** Write efficient code to minimize CPU and memory usage.

- **Batch Processing:** Aggregate tasks to reduce instance start/stop cycles.

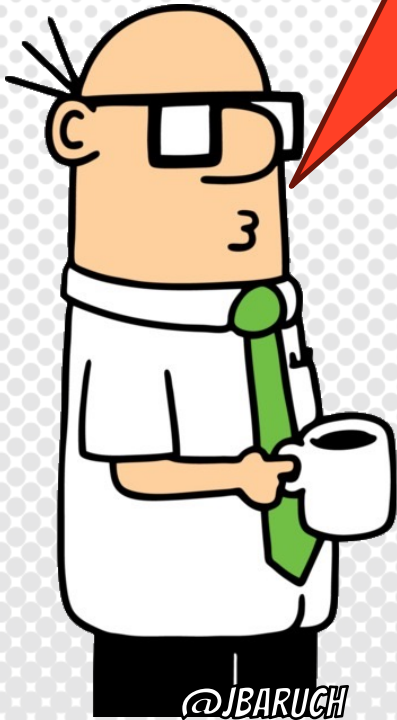- **Asynchronous Workloads:** Use async or event-driven patterns to make the most of serverless and Spot Instances.

BUSINESS STEAMS ITS WAY TO THE DEVELOPERS!
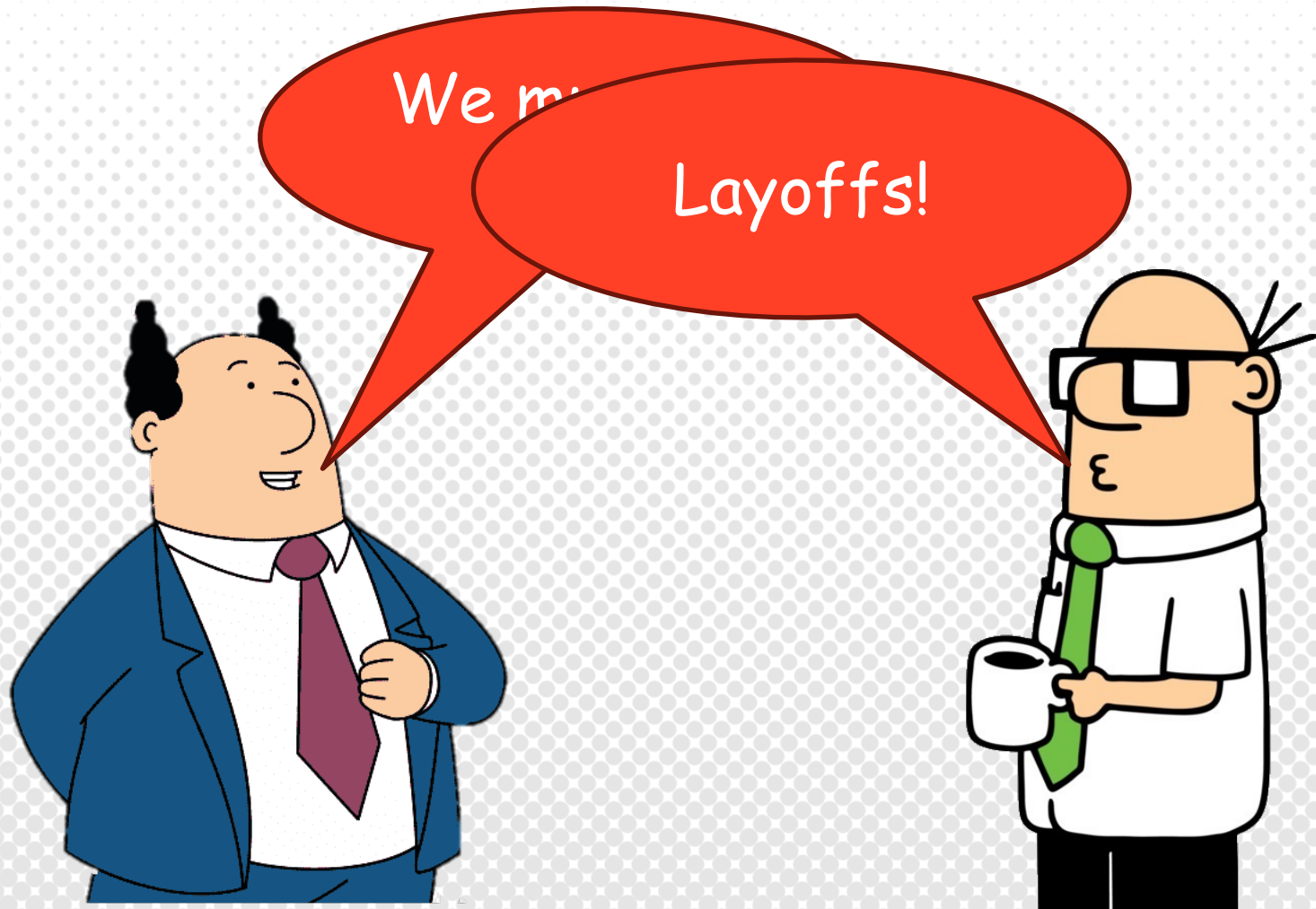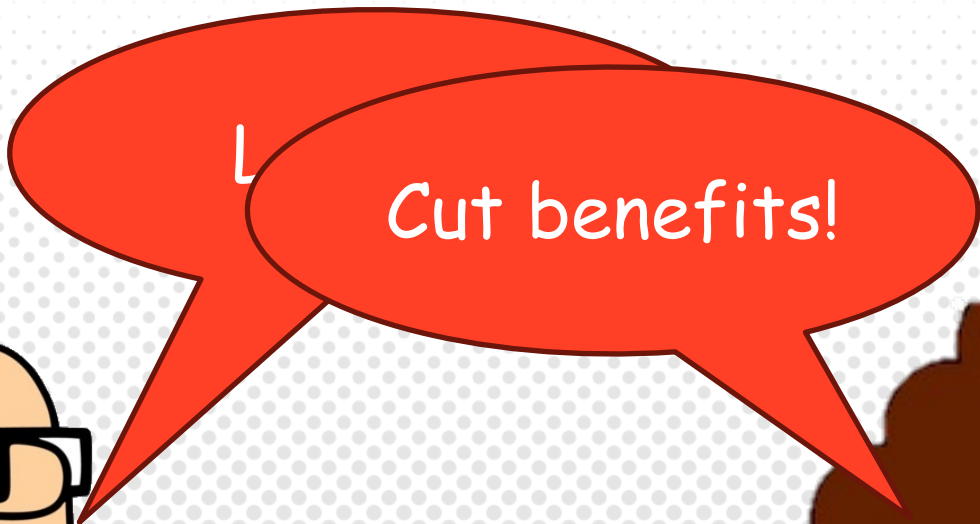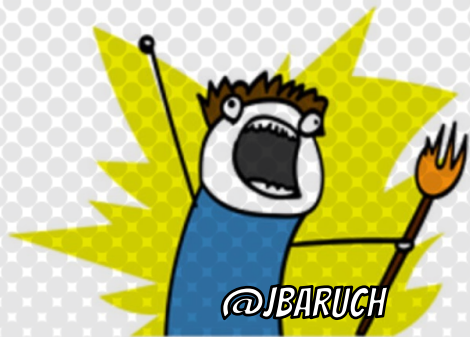
WHAT DO WE WANT

NEW FEATURES!

WHEN DO WE THEM?

YESTERDAY!

@JBARUCH   @VOXXEDTICINO   SPEAKING.JBARU.CH

When compared to low performers, elite performers realize

127x
faster lead time

182x
more deployments per year

8x
lower change failure rate

2293x
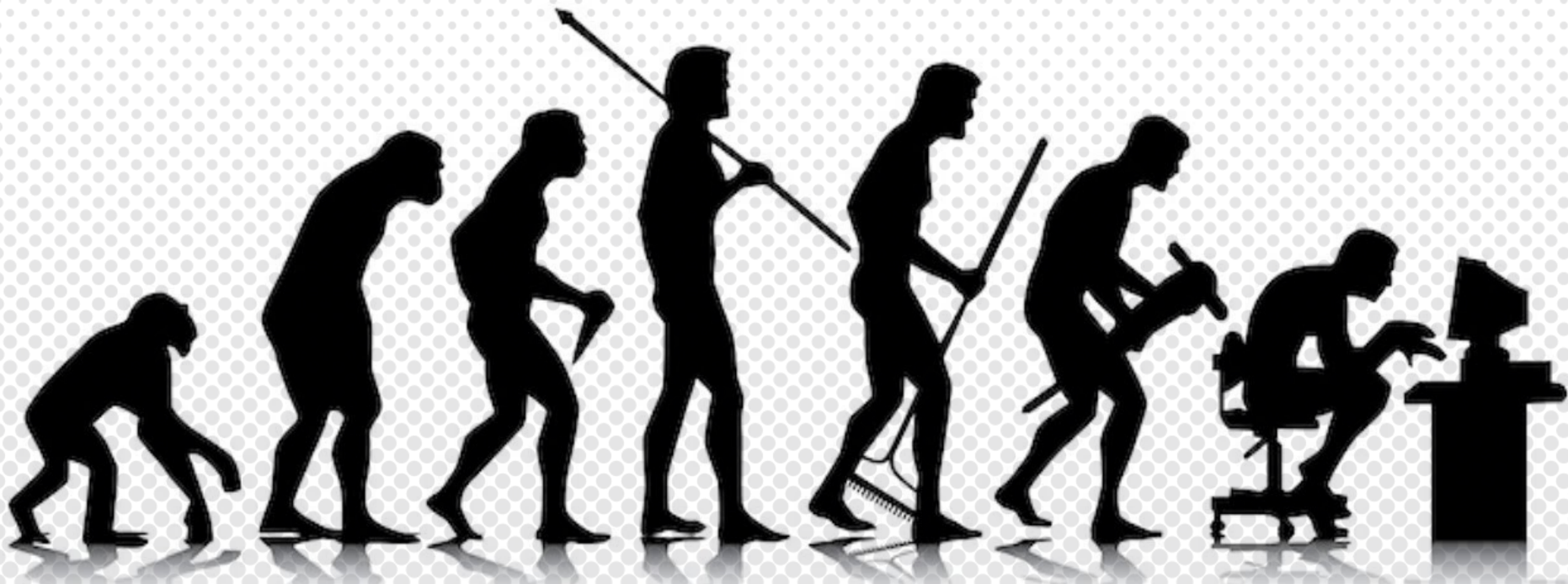faster failed deployment recovery times

DEVOPS IS GOOD FOR BUSINESS,

SO WELCOME TO DEVOPS!

@JBARUCH   @VOXXEDTICINO   SPEAKING.JBARU.CH

DEVOPS WAS AN OPS IDEA. YOU HAVE TO RUN WITH IT.

× DevOps mainly solves Ops' concerns

× But it provides the business with real value

× So, be on-board or be out the ship

× AI can help, a lot!

THANKS!

Q&A and ~~Twitter~~ X/Bsky/Mastodon/LinkedIn ads:

✕ @jbaruch

✕ @VoxxedTicino

✕ speaking.jbaru.ch