

A silhouette of an offshore oil rig stands against a dramatic sky at sunset or sunrise. The sky is filled with soft, wispy clouds in shades of orange, pink, and blue. The rig's complex structure, including cranes and towers, is clearly visible against the bright horizon. The foreground shows the dark, calm surface of the ocean.

Platform Engineering:

UNVEILING SUCCESS FOR AUTONOMOUS TEAMS

David Leitner

The background of the slide is a photograph of an offshore oil rig at sunset. The rig is silhouetted against a sky with soft, orange and blue clouds. The sea is visible in the foreground.

Platform Engineering: *UNVEILING SUCCESS FOR AUTONOMOUS TEAMS?*

David Leitner

wikipedia.org/wiki/Betteridge%27s_law_of_headlines



WIKIPEDIA
The Free Encyclopedia

☰ Betteridge's law of headlines

Article [Talk](#)

From Wikipedia, the free encyclopedia

Betteridge's law of headlines is an [adage](#) that states: "Any headline that ends in a question mark can be answered by the word *no*." It is named after Ian Betteridge, a British technology journalist who wrote about it in 2009, although the principle is much older.^{[1][2]} It is based on the assumption that if the publishers were confident that the answer was *yes*, they would have presented it as an assertion; by presenting it as a question, they are not accountable for whether it is correct or not. The adage does not apply to questions that are more [open-ended](#) than strict [yes–no questions](#).^[3]

The maxim has been cited by other names since 1991, when a published compilation of [Murphy's law](#) variants called it "Davis's law", a name that also appears online without any explanation of who Davis was.^{[4][5][6][7]} It has also been referred to as the "journalistic principle" and in 2007 was referred to in commentary as "an old [truism](#) among journalists".^{[8][9][10]}



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Prompts / LLMs

Frameworks

Compilers

Virtual Machines

Operating Systems

Assembler

01011011

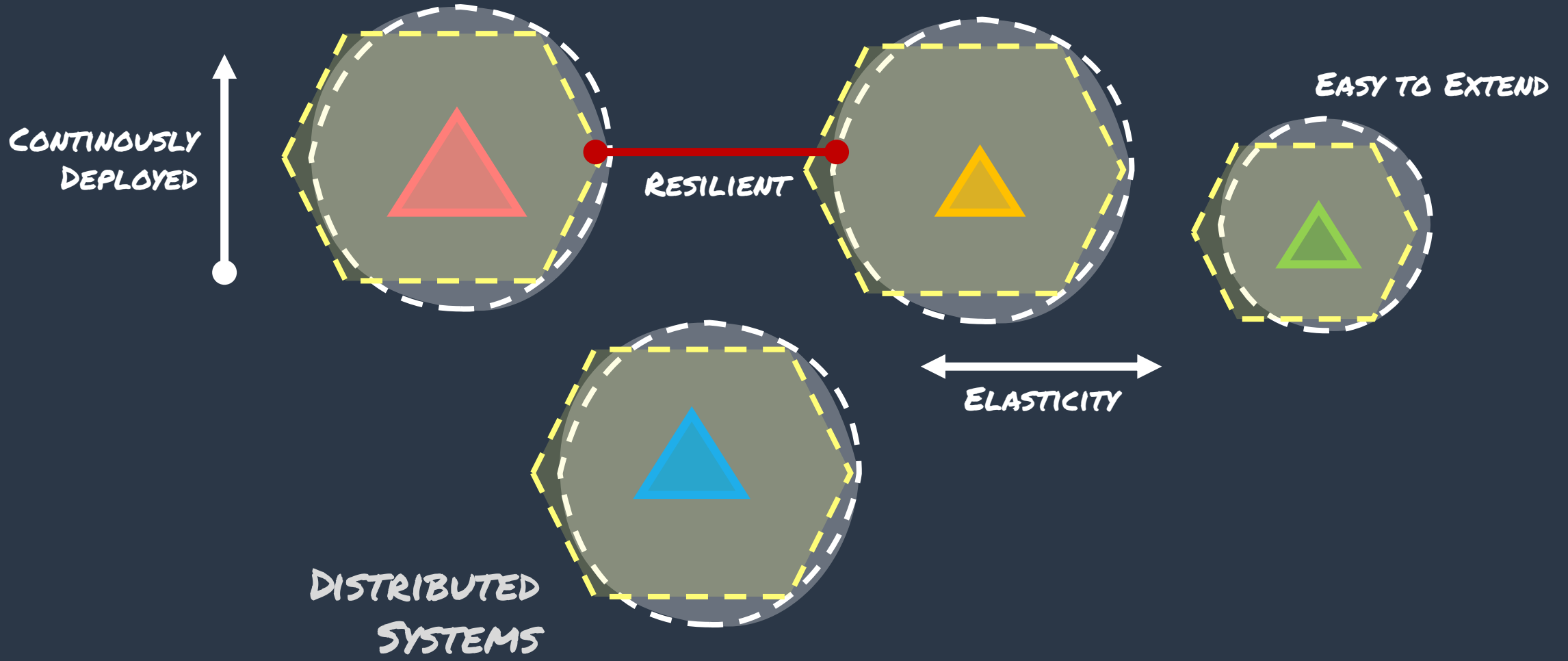
There is no other industry out there that is as good at introducing new abstractions as we are.

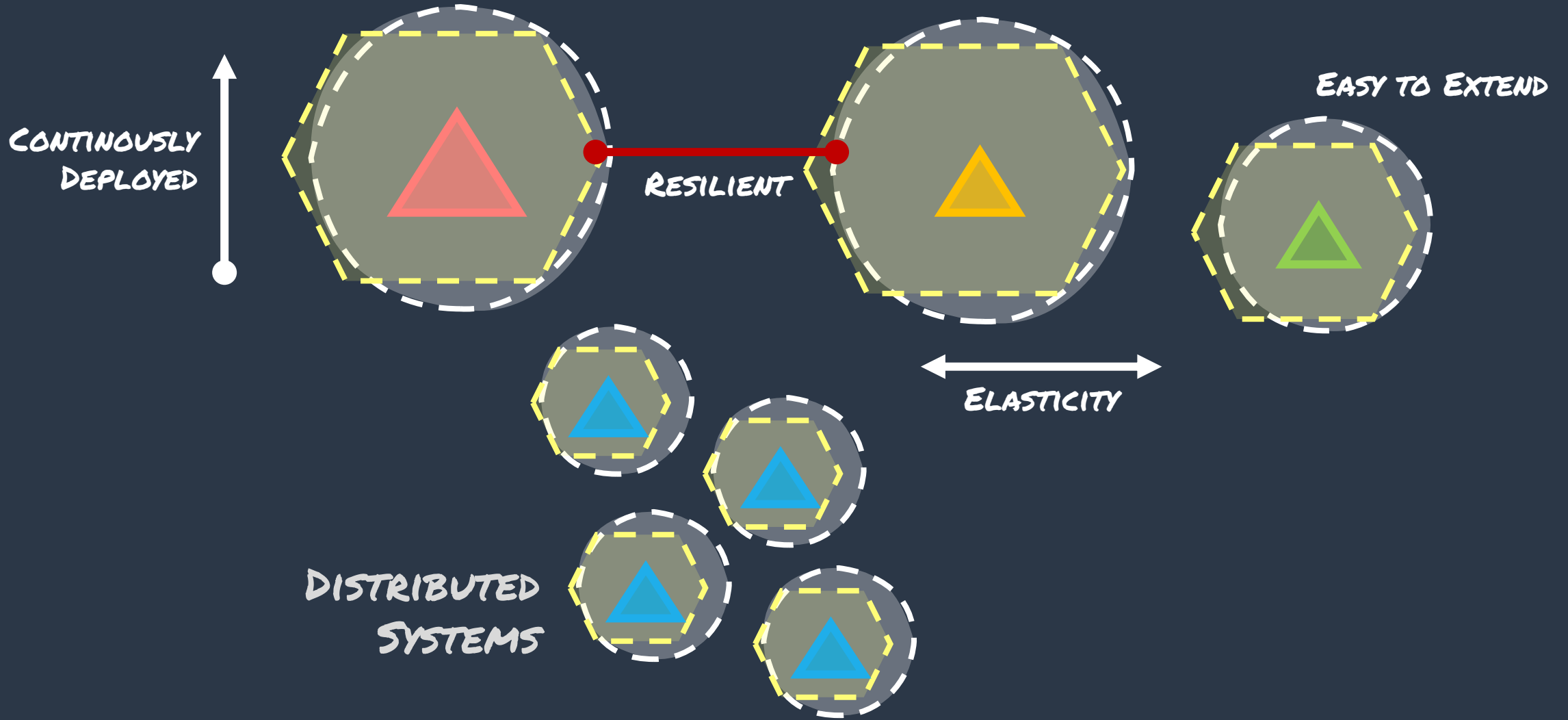
— Ted Neward

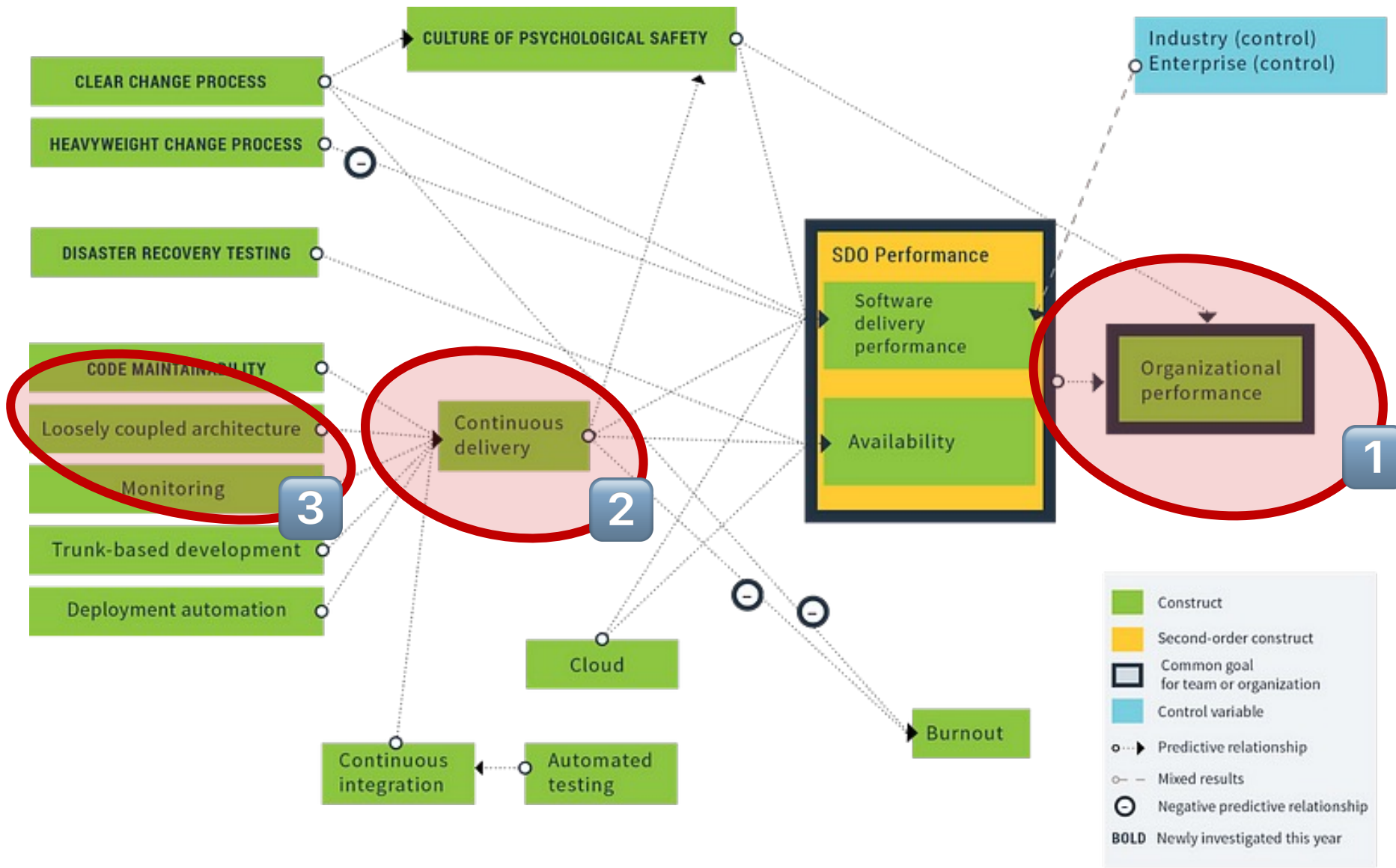




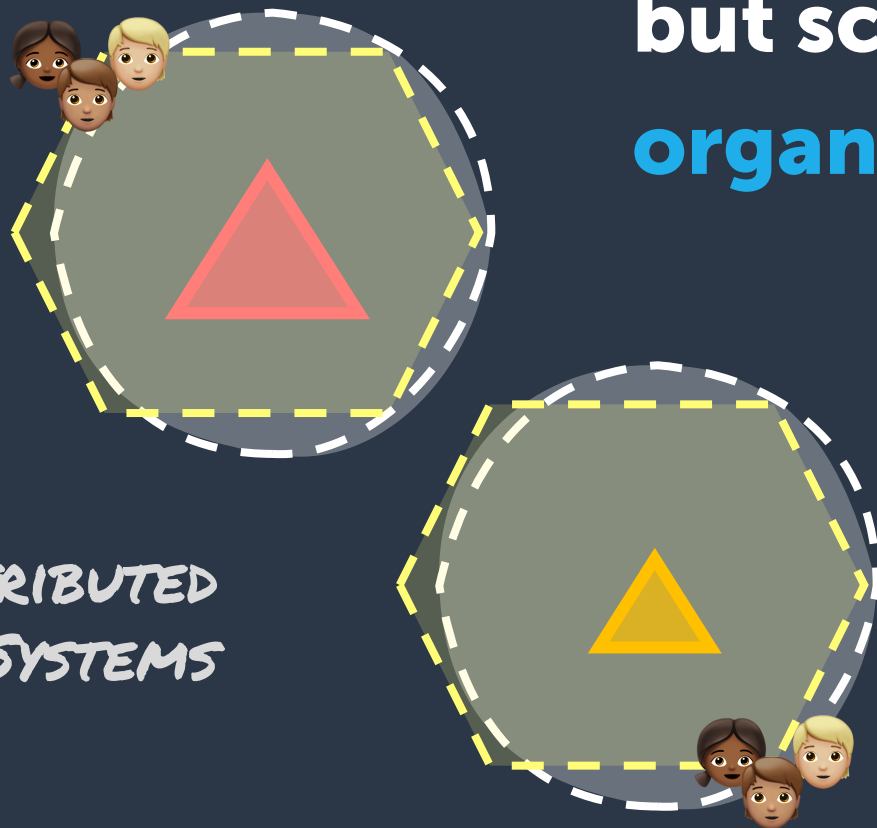
MONOLITHICAL SYSTEMS







Microservices aren't just about scaling your software architecture but scaling your teams. They are an organizational scaling strategy.

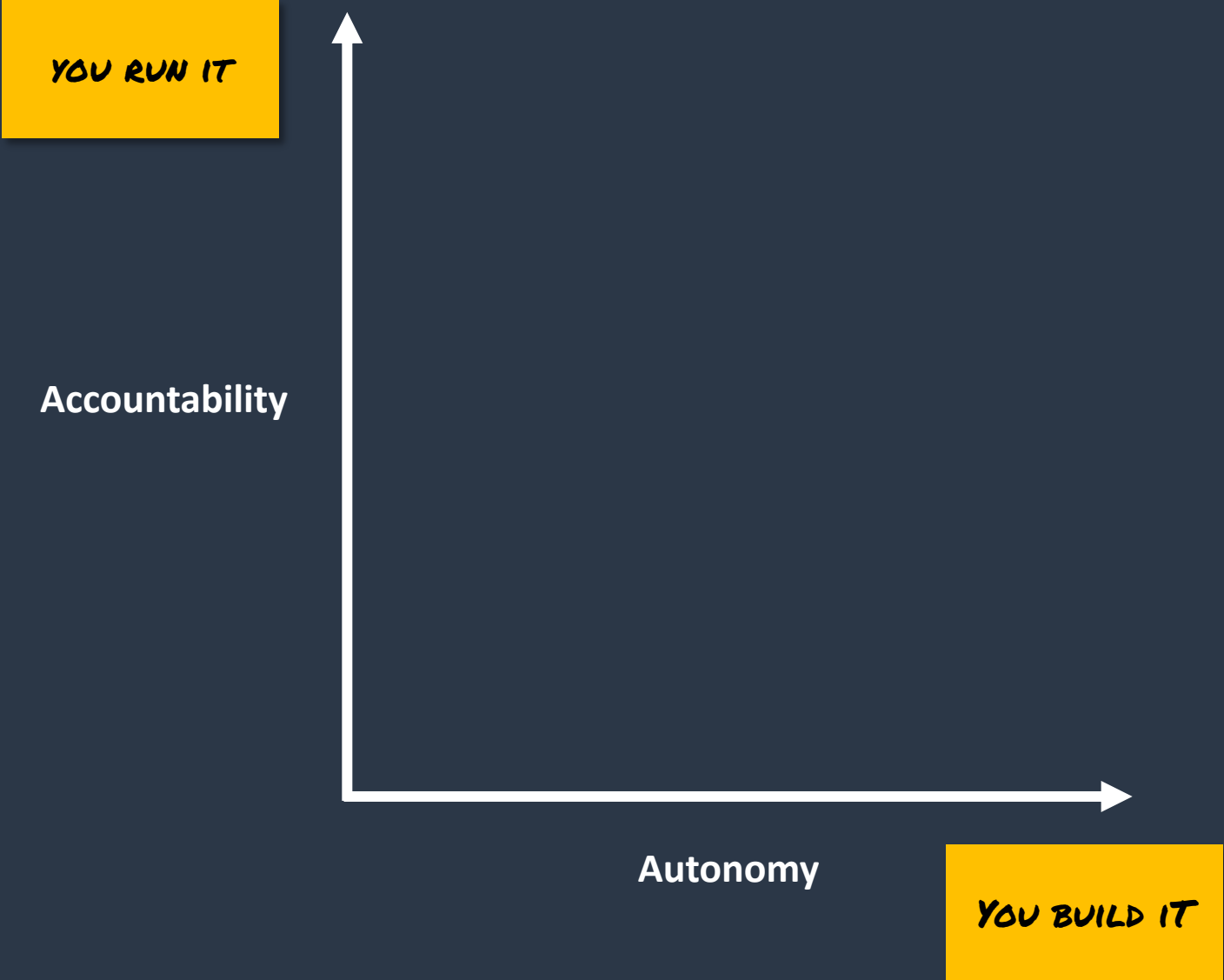


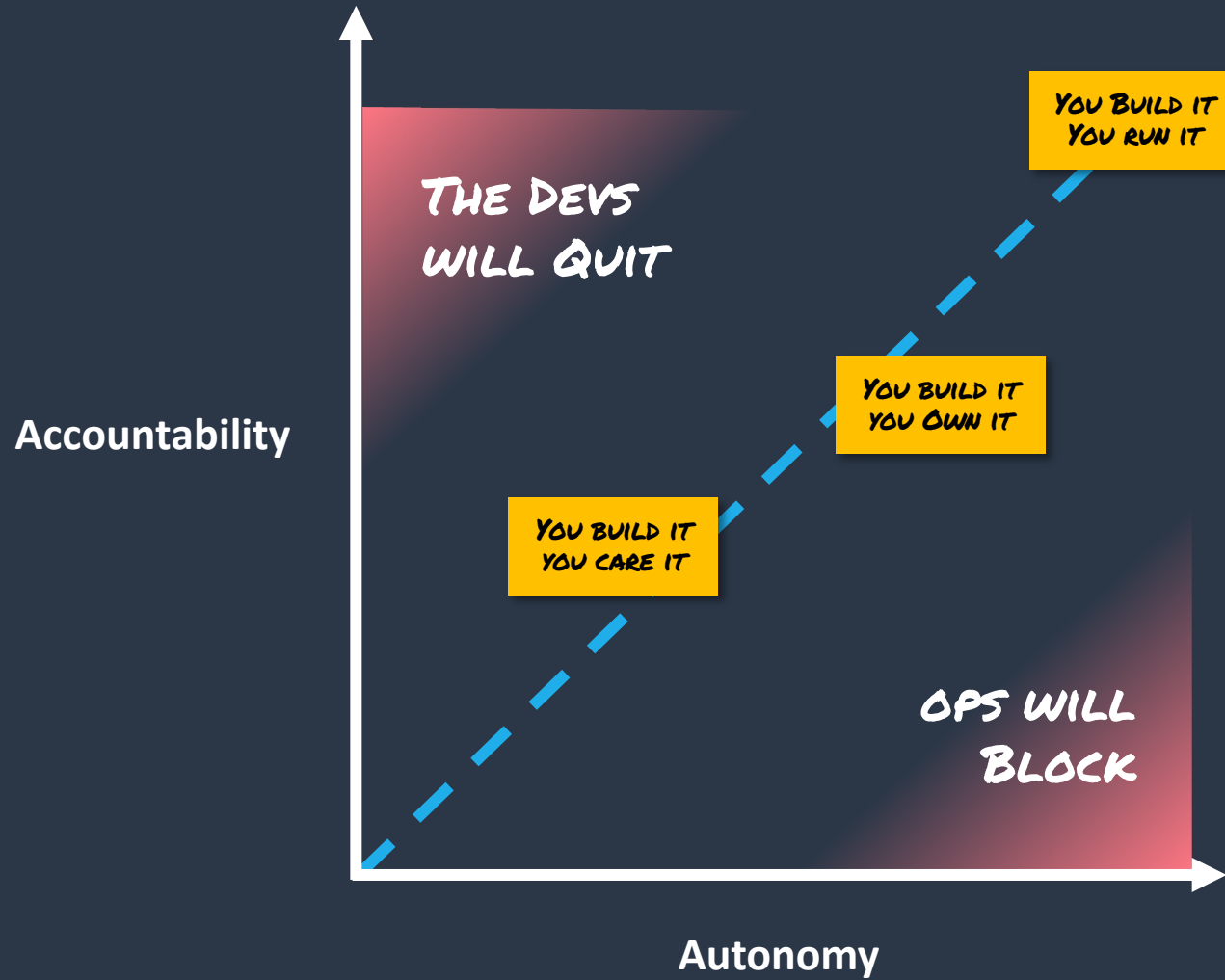
DISTRIBUTED
SYSTEMS

You build it, you run it.

— Werner Vogels







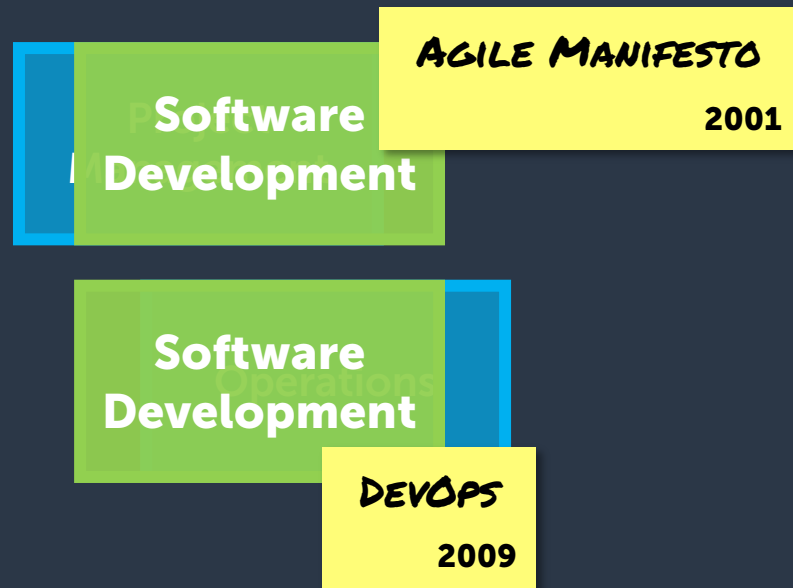
**Software
Development**

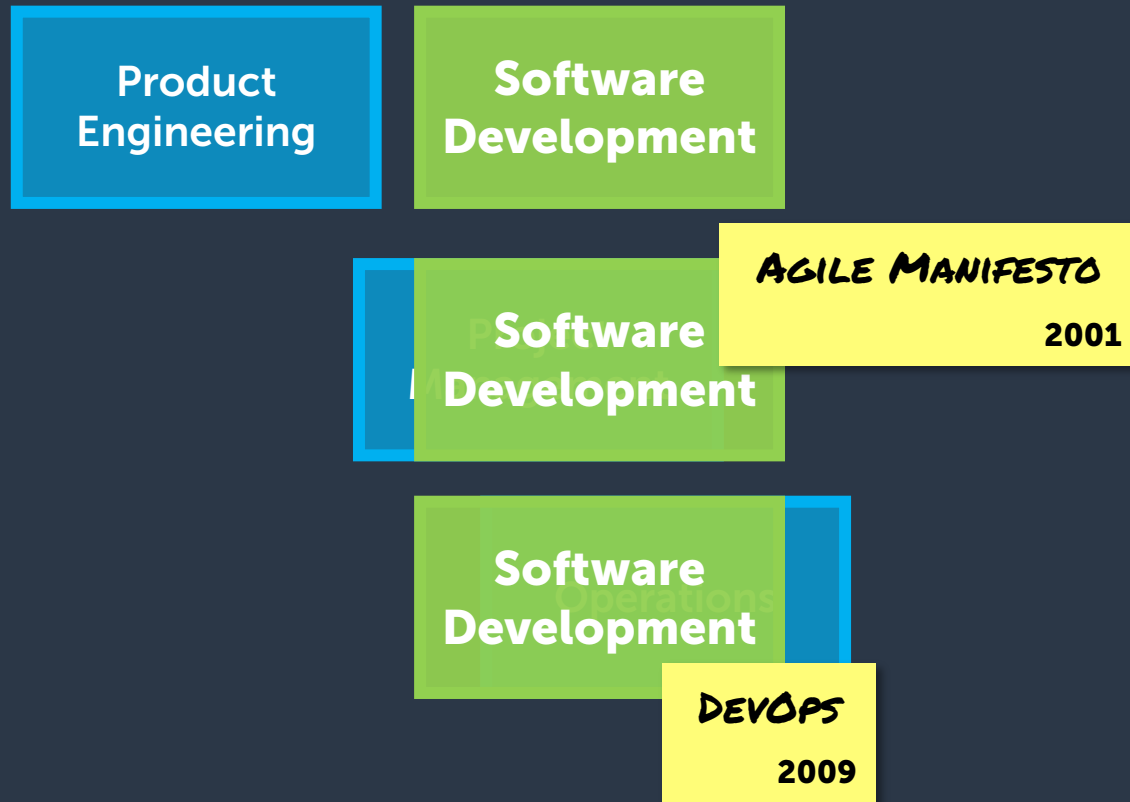
Operations

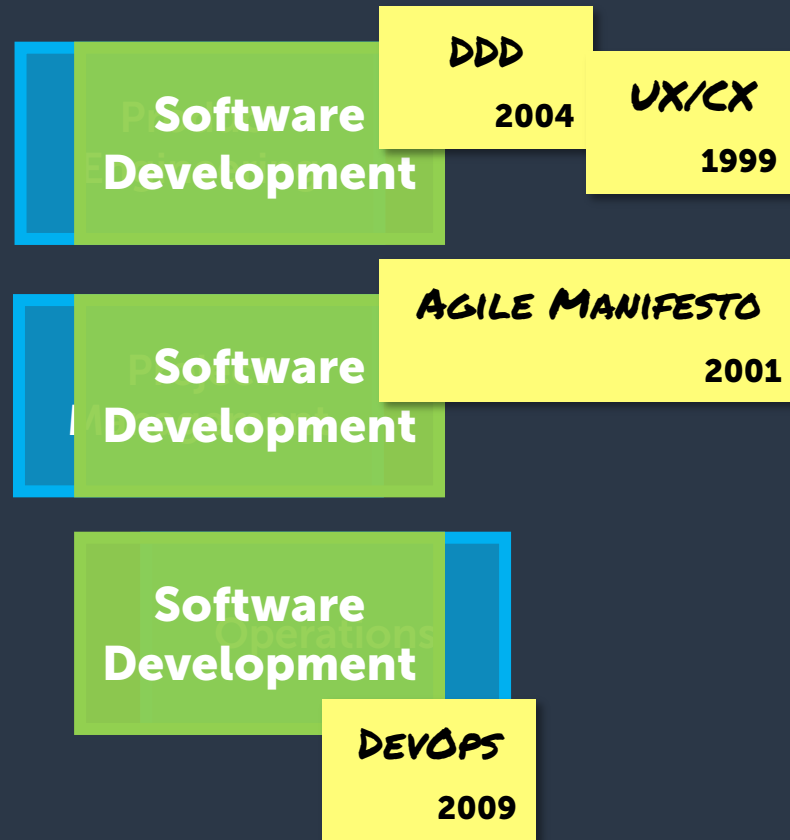
Software
Development

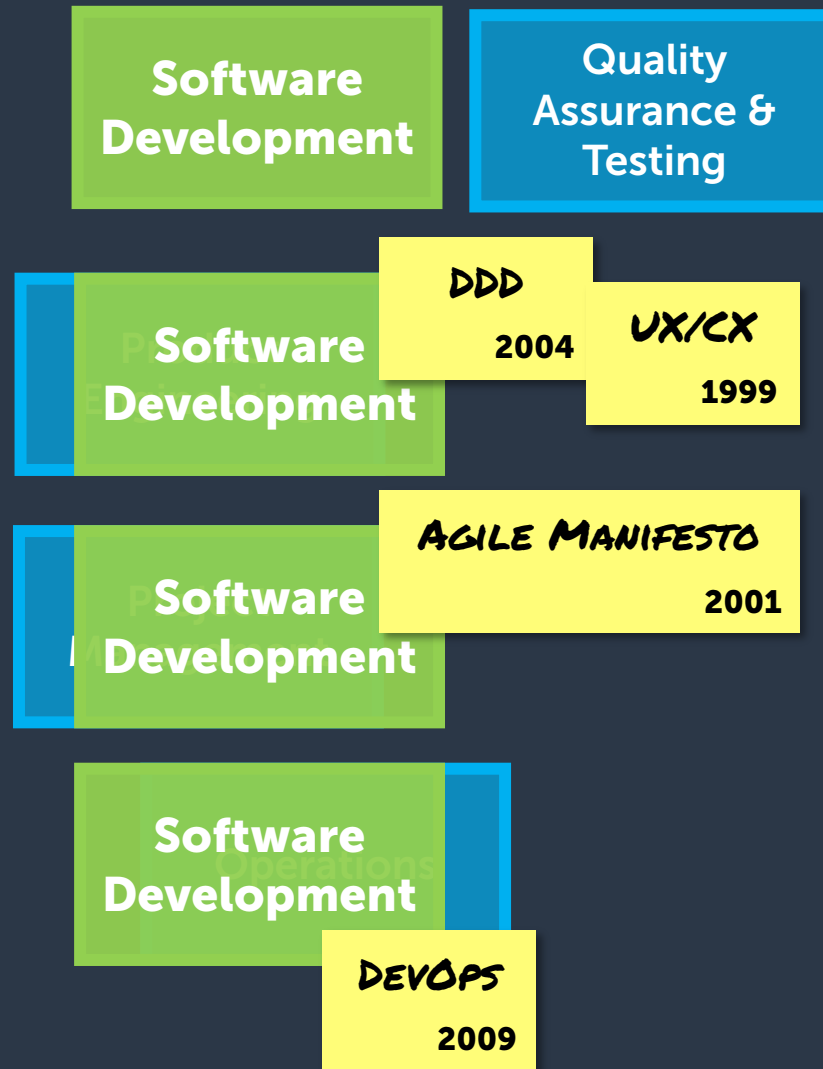
DEVOPS
2009

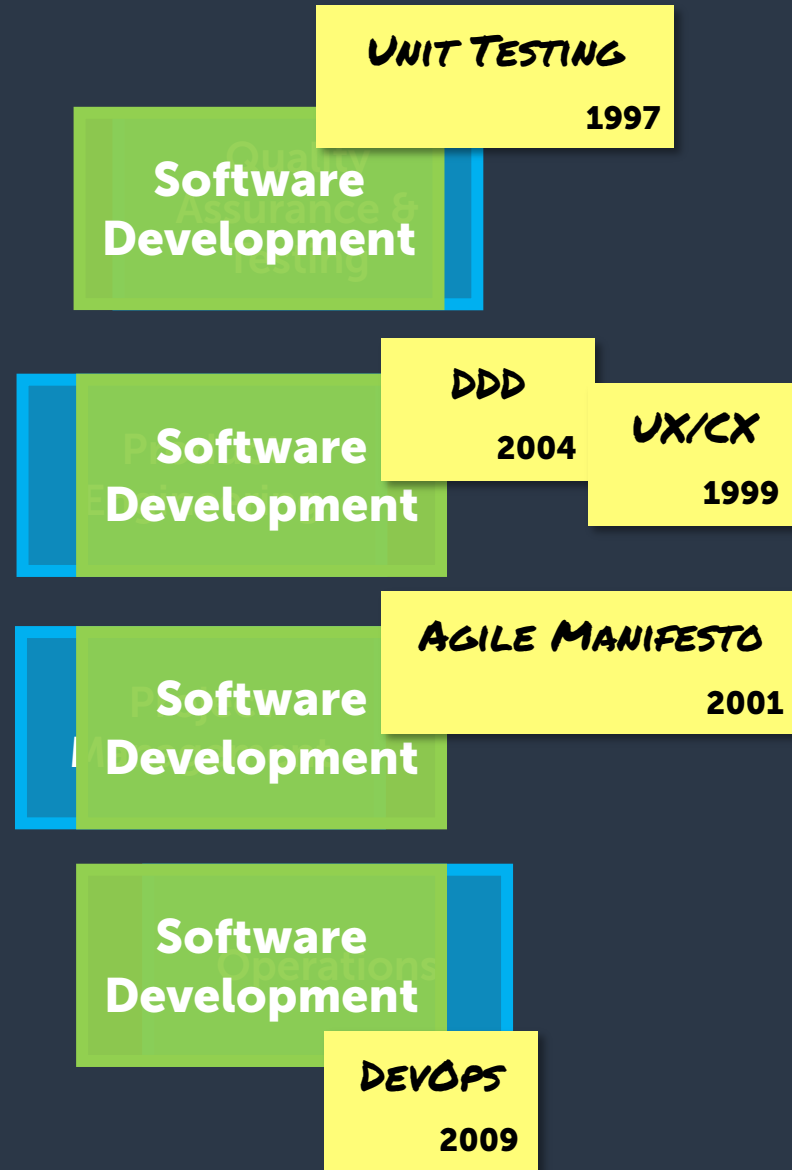












There is a constant strive for **shift-left** in our industry.

Which has heavily increased mental load within the engineering teams.



argo





 **Shift Left**



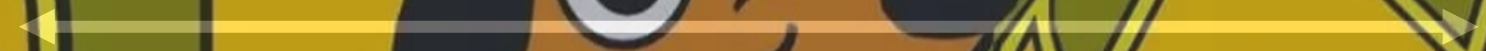


 **PILE LEFT** ©





PILE LEFT ©



THIS IS FINE



PILE LEFT ©



We can solve any problem **by introducing an additional layer.**

— *fundamental theorem of software engineering (FTSE)*



Layers





Platform





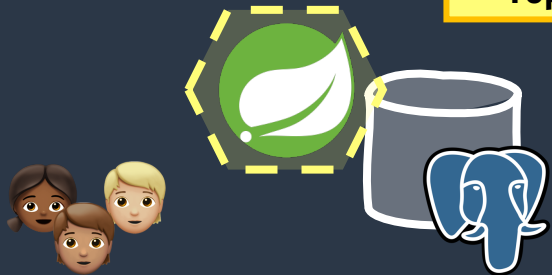
Platform

Platform (AWS, GPC, Azure, ...)





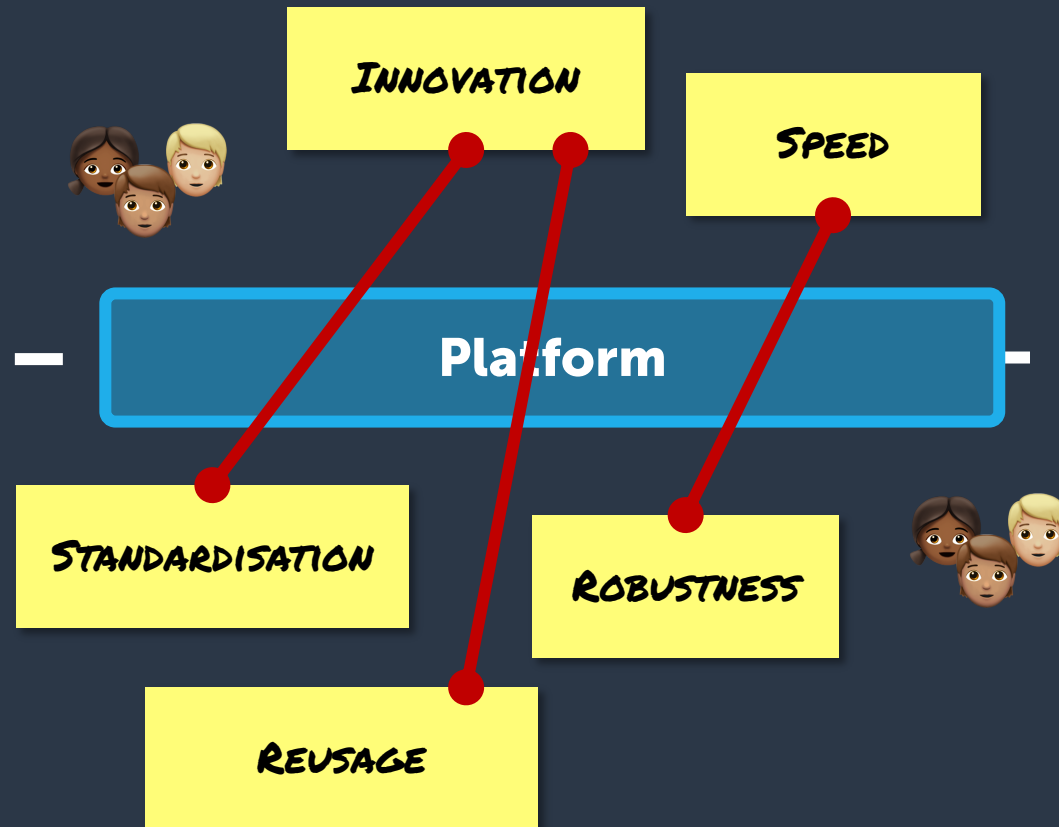
Topic



Platform

Platform (AWS, GPC, Azure, ...)

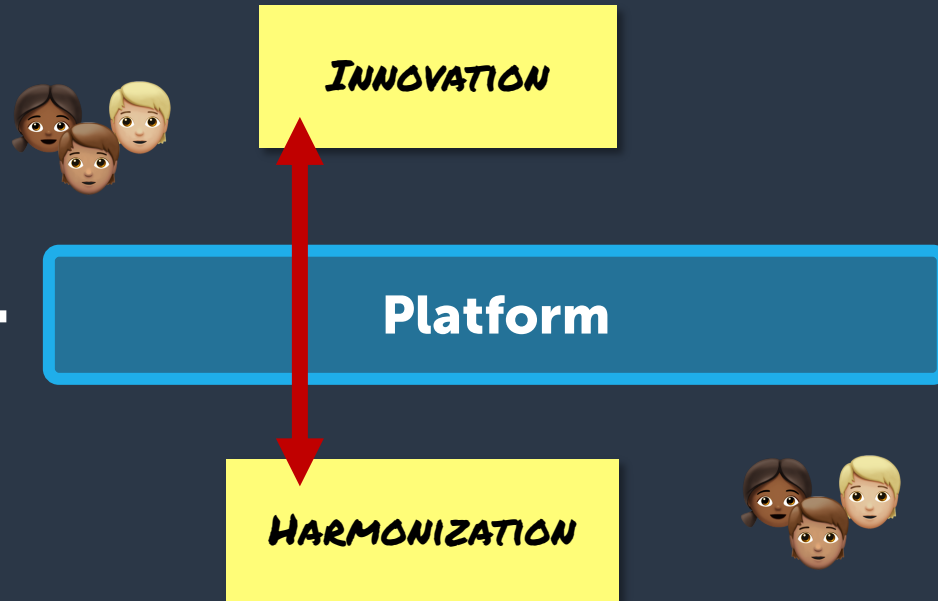






Good Platforms **enable**
Innovation by Harmonization.

— Gregor Hohpe

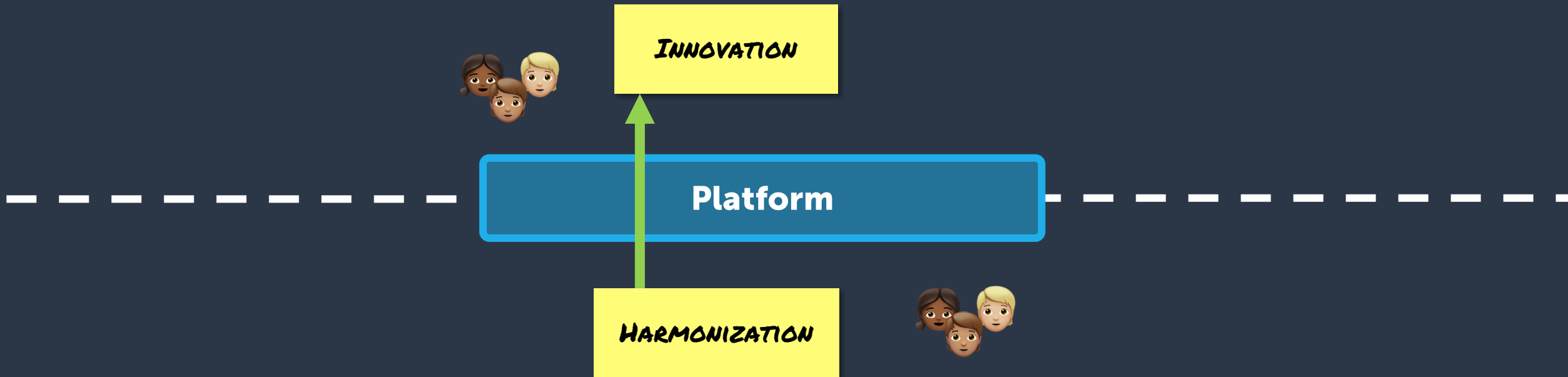


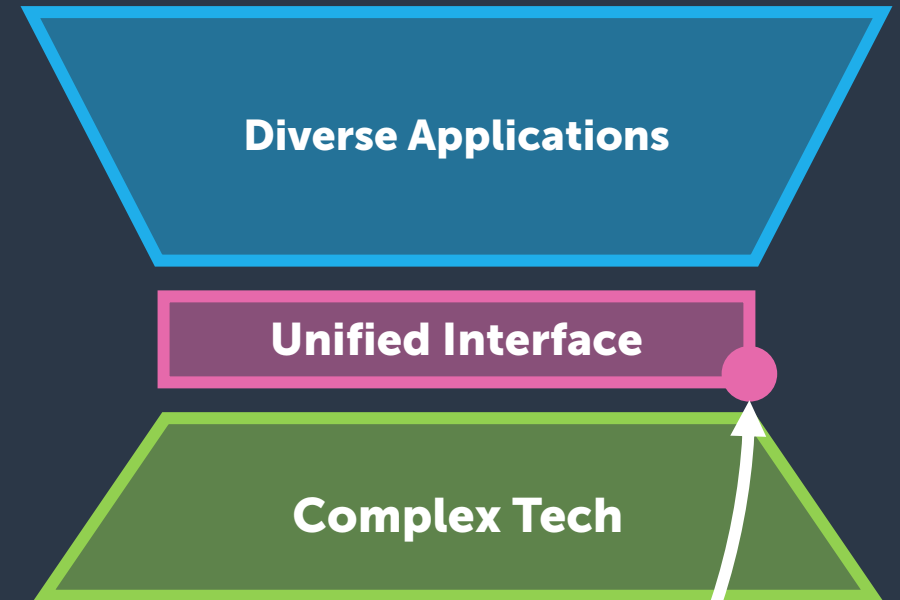
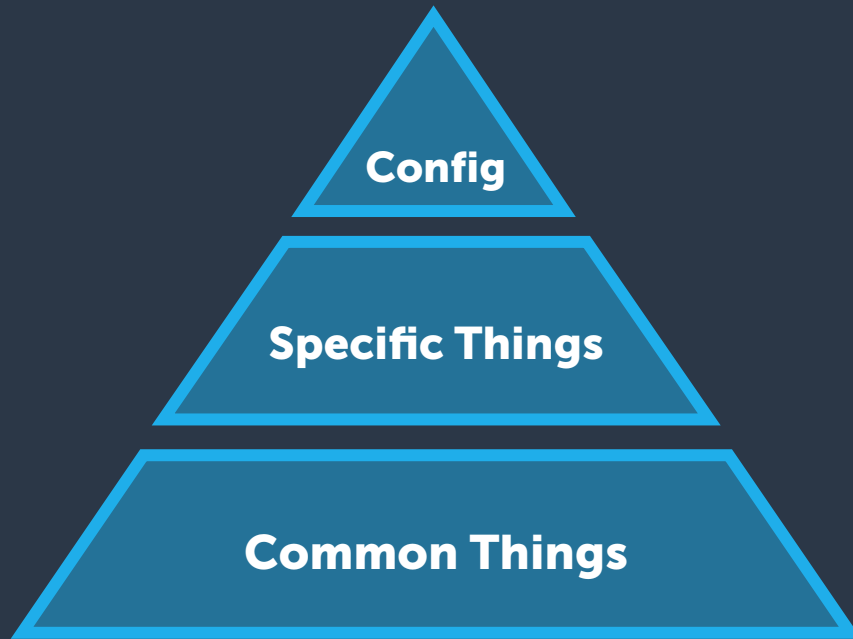
You can have it in any
color as long as it's black
— Henry Ford



Good Platforms **enable**
Innovation by Harmonization.

— *Gregor Hohpe*





Platforms enable diverse Applications on unified interfaces.



If your users haven't built anything that surprises you, then you probably haven't developed a good platform.

— *Gregor Hohpe*



Gregor Hohpe · 1.

Strategist, engineer, author, speaker. Likes cloud and distributed system...

[Blog anzeigen](#)

3 Monate · Bearbeitet ·

A lot of platform initiatives that I see only pursue half of what a platform should do. As the subtitle of my book suggests, the purpose of platforms is to drive innovation. And they do that by harmonizing / standardizing.

...

Learning from the Past: Automotive Platforms

More innovation:
model diversity, shorter model cycles



"HAT"
LOOK & FEEL



"PLATFORM"
ENGINEERING

More innovation:
better economics for complex technology

ArchitectElevator.com

DIVERSE

LOWER INVESTMENT

DIFFERENTIATOR

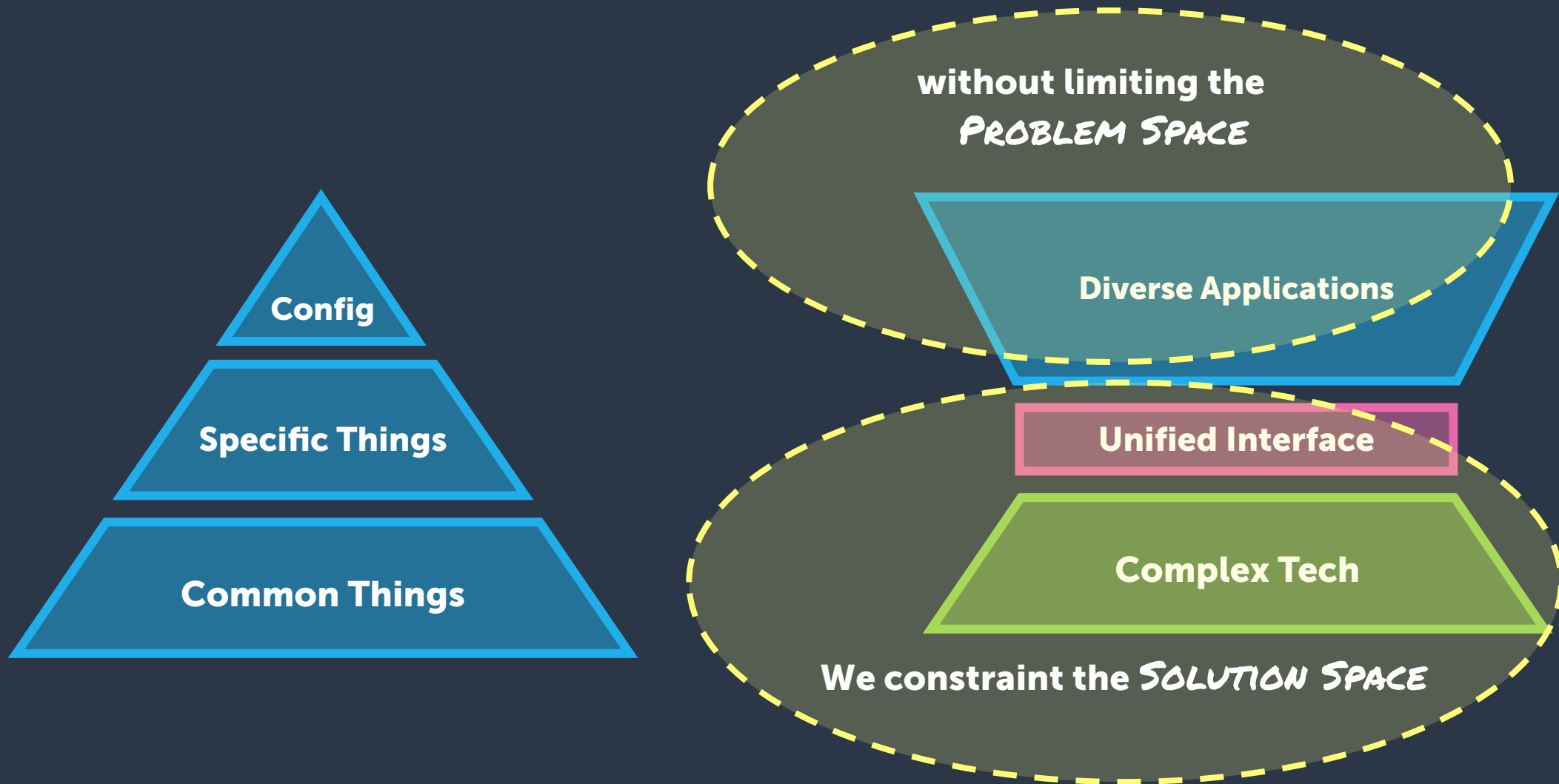
HIGH INVESTMENT

STANDARDIZATION

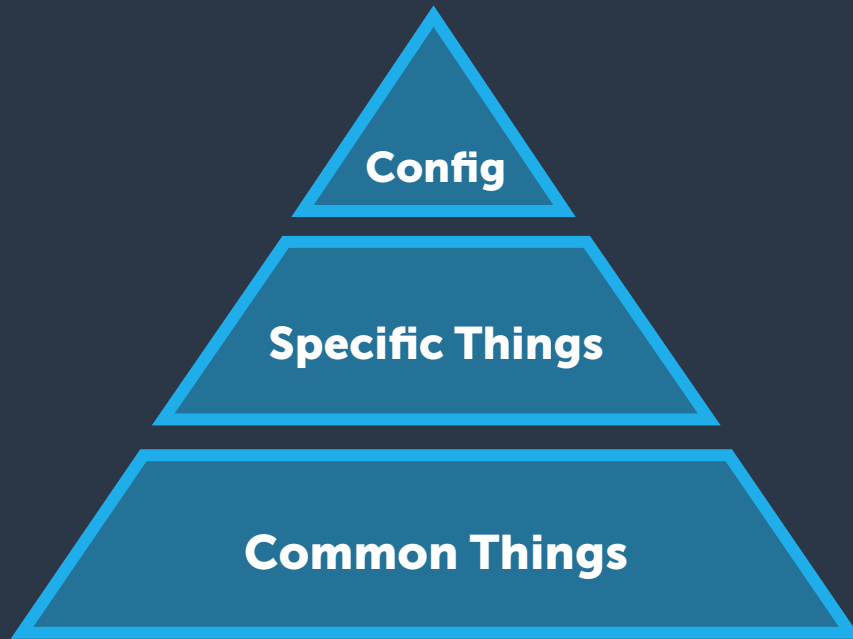
NO DIFFERENTIATOR

Sie und 496 weitere Personen

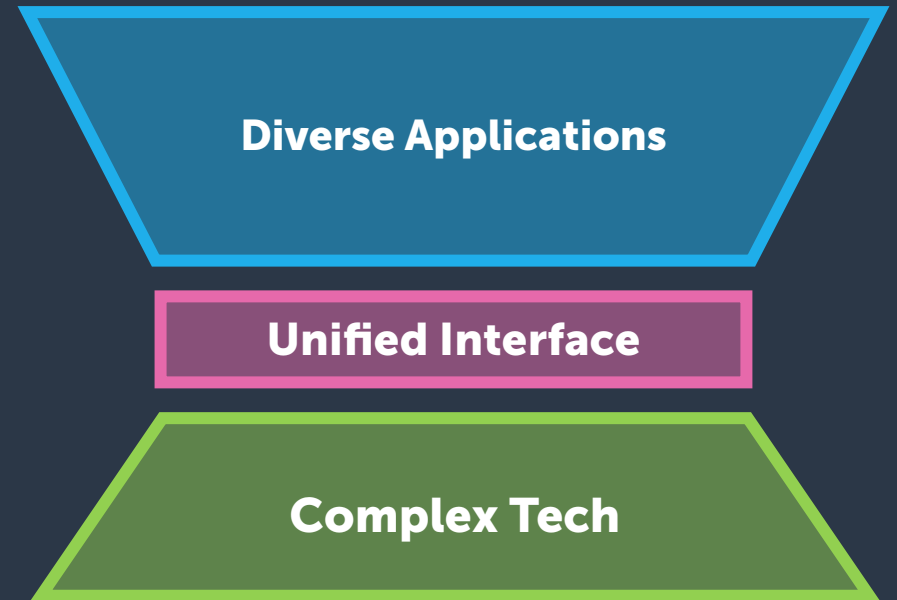
24 Kommentare · 42 direkt geteilt



Platforms enable diverse Applications on unified interfaces.



Economies of Scale.



Economies of Speed.

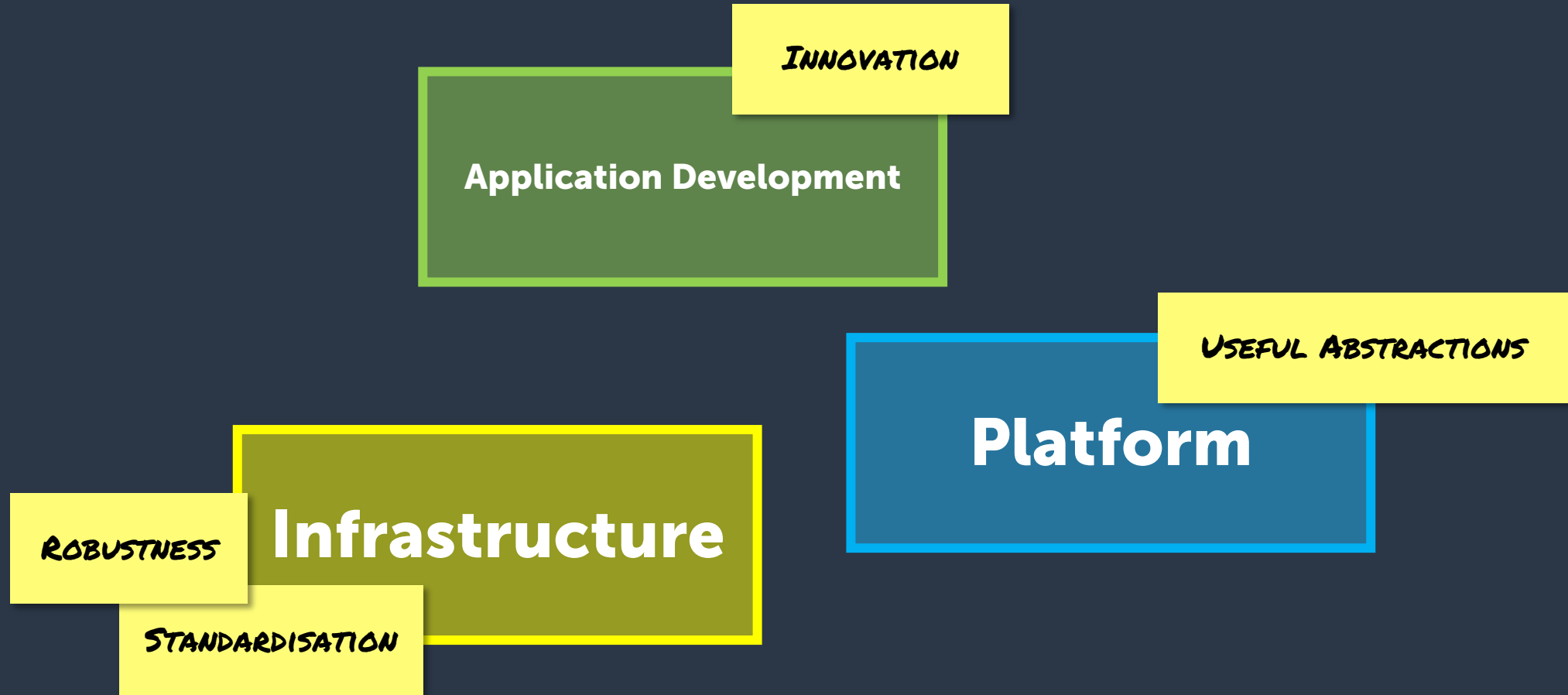
Platforms focus on **accelerating the speed of delivery** rather than on **reuse and standardization.**

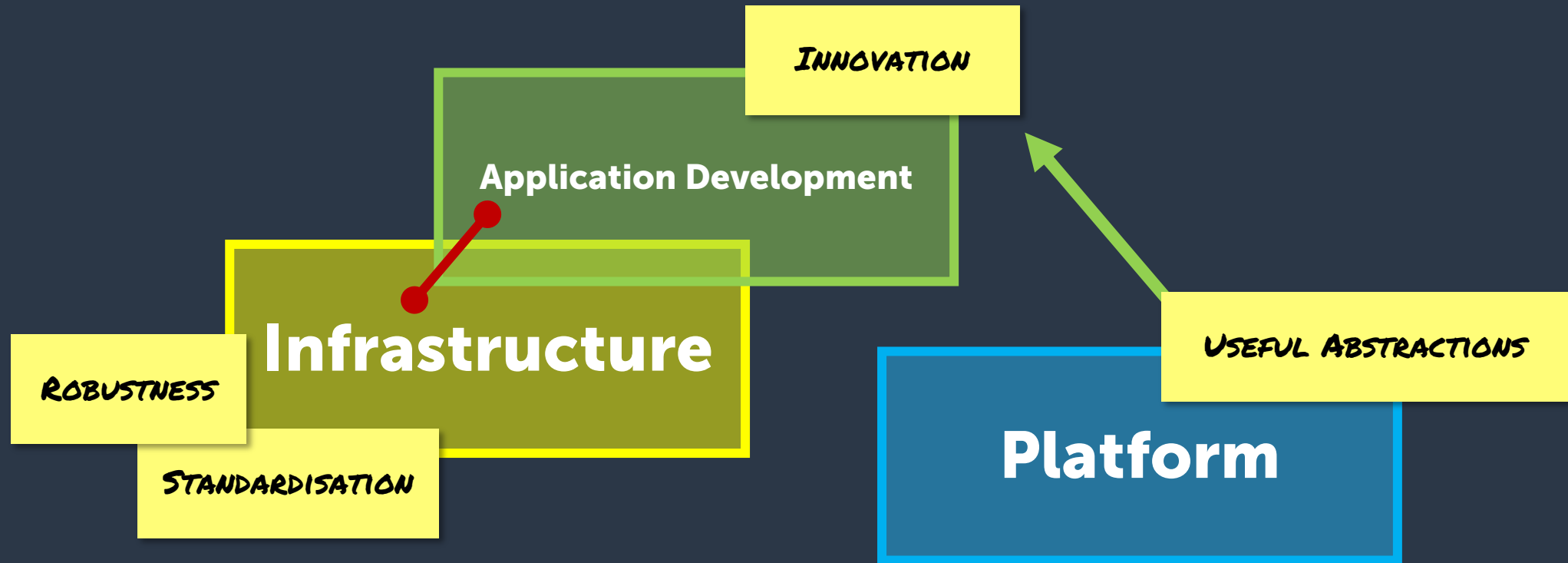
Application Development

Infrastructure

Application Development

Platform





WE DO THIS BY USEFUL

Abstractions



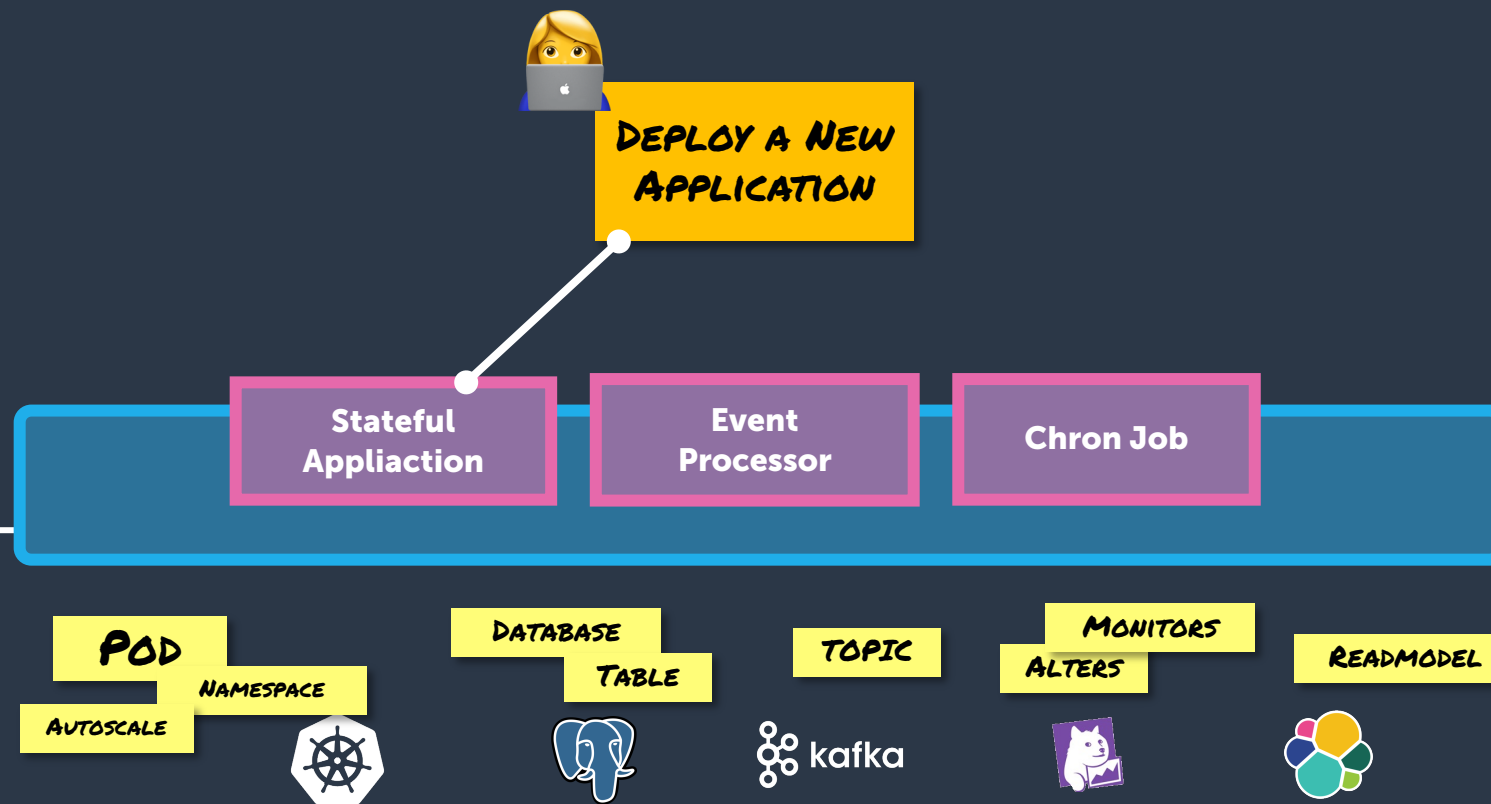
DEPLOY A NEW APPLICATION



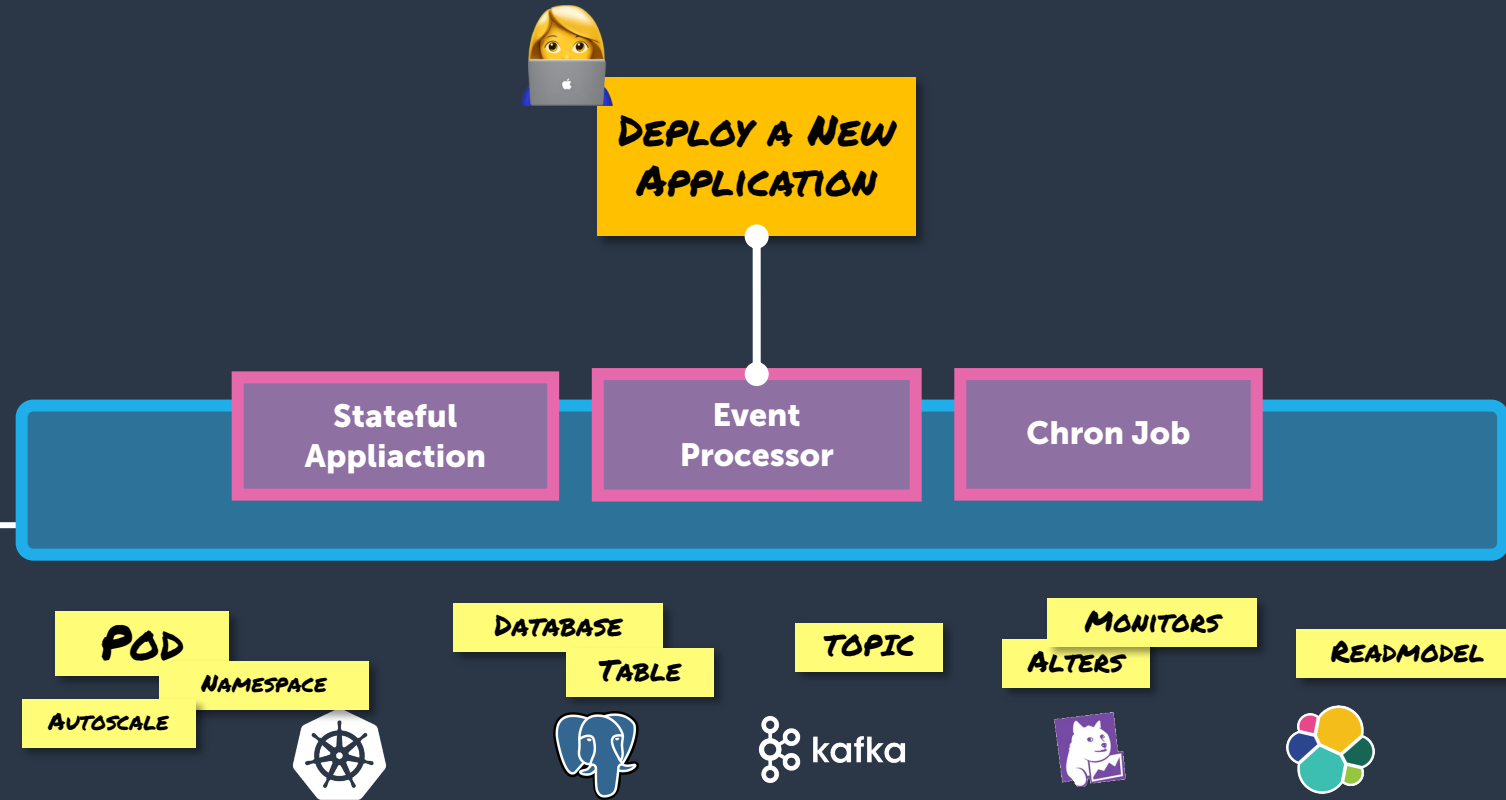
Infrastructure Centric View,
based on Composition.



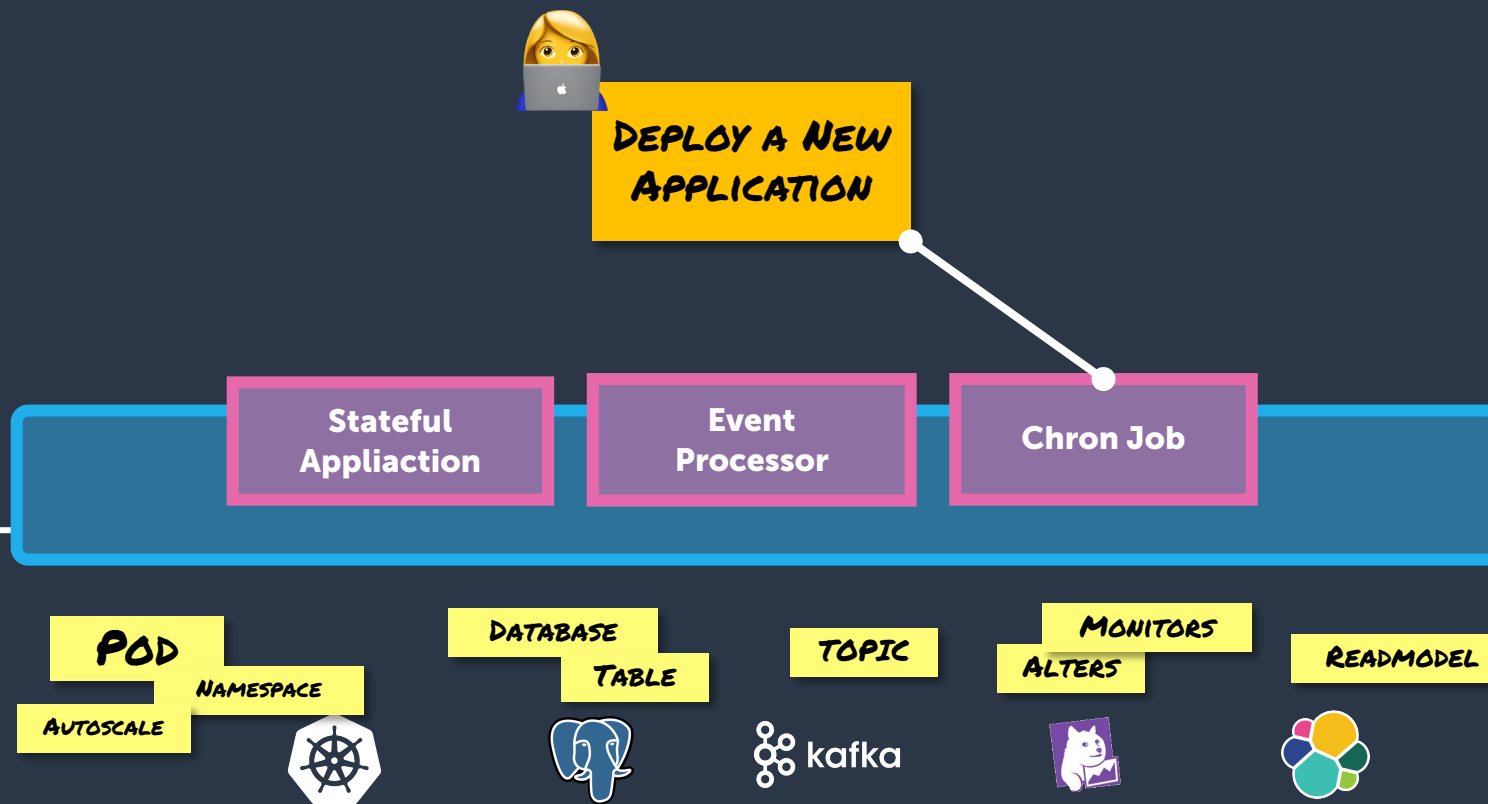
Developer Centric View,
based on Abstractions.



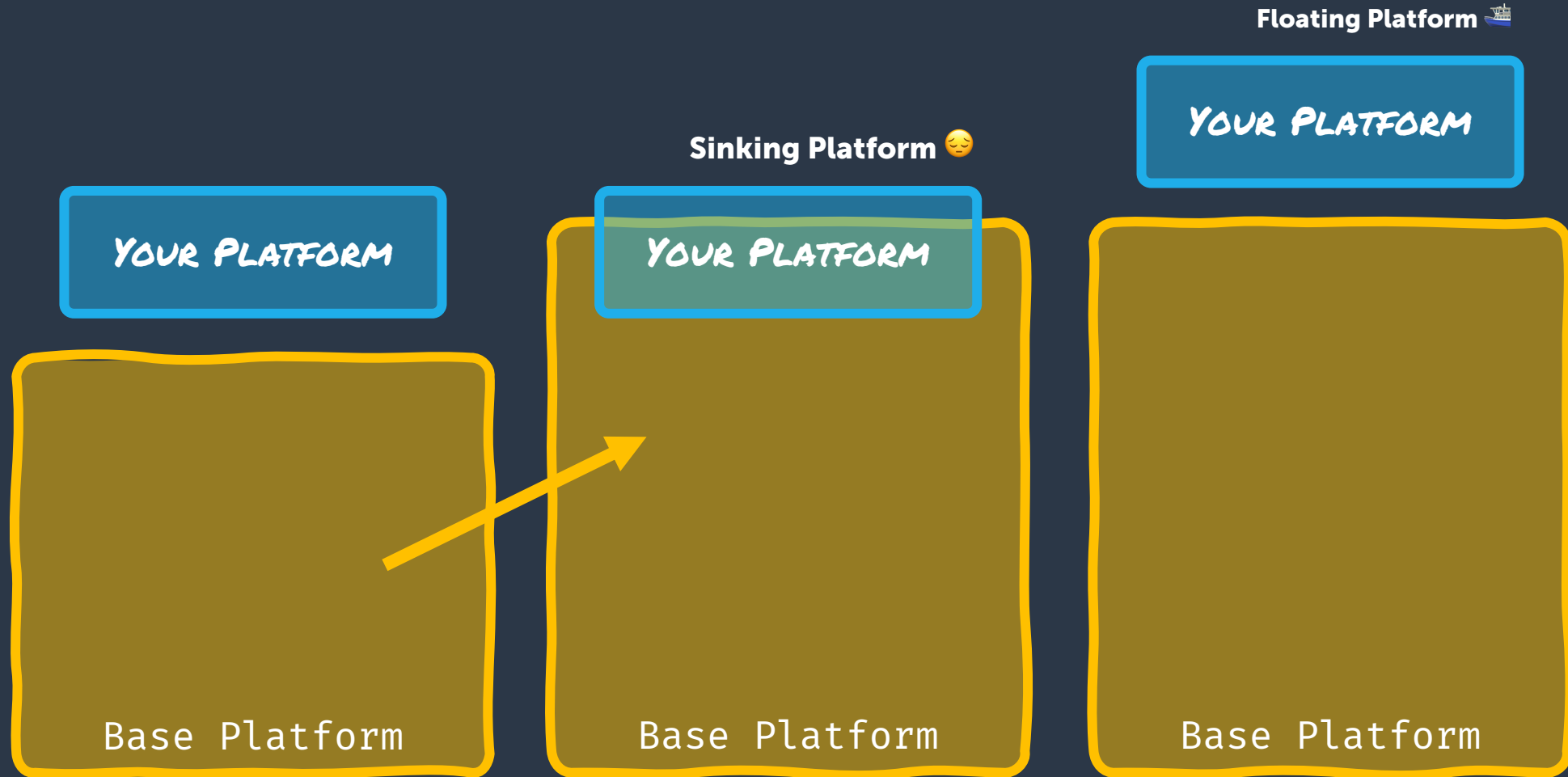
Developer Centric View,
based on Abstractions.



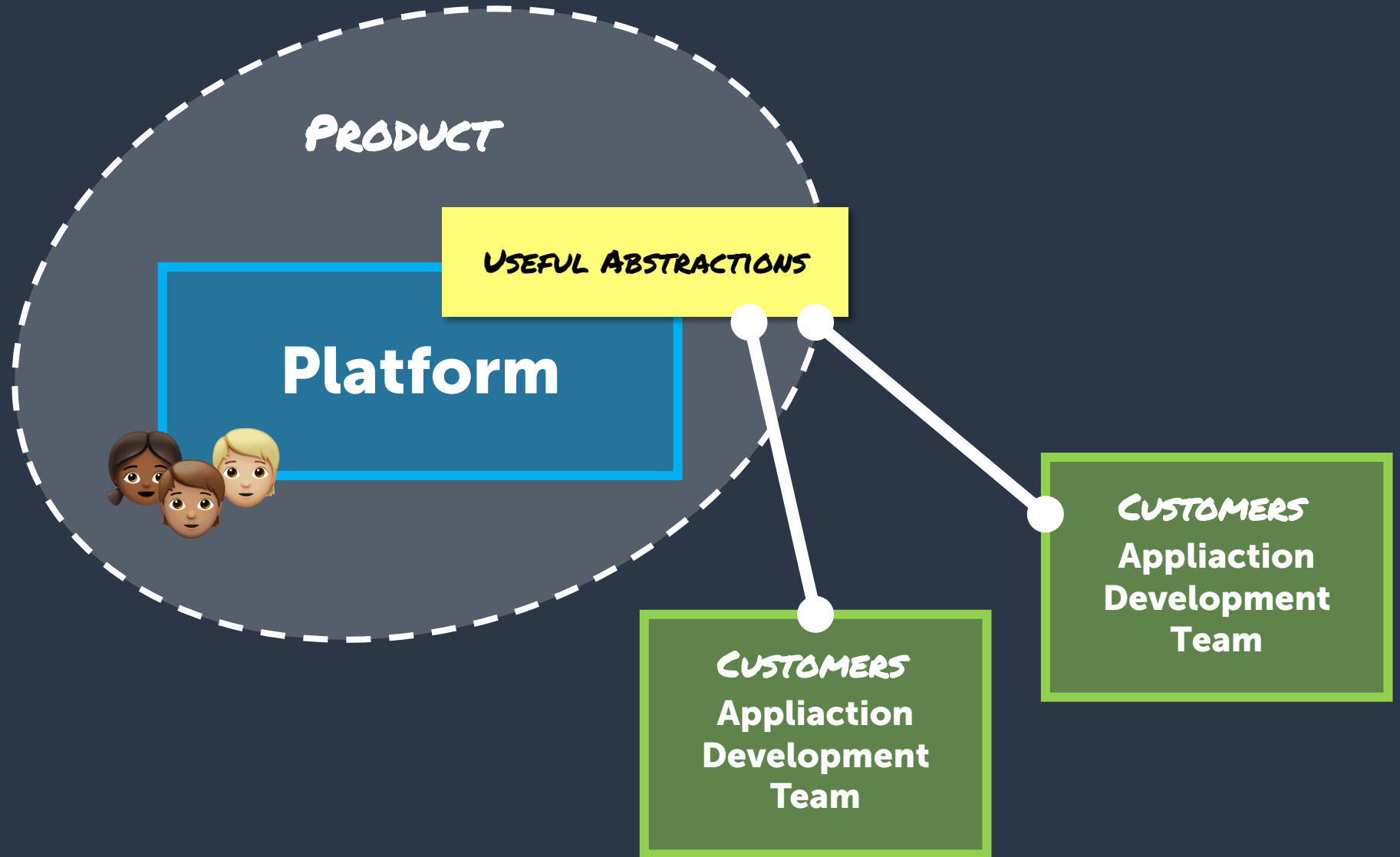
Developer Centric View,
based on Abstractions.



**Platform Interfaces are mainly
about **Abstractions** and less
about **Composition**.**



**Platform Interfaces are mainly
about **Abstractions** and less
about **Composition**.**



Consider your **Platform as a Product**, and **staff** it like that.

Ok,
Let's sum up.



When **autonomous teams** are your
organizational scaling strategy,

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organizational scaling strategy,
then **mental load** within those teams
becomes your biggest obstacle

When **autonomous teams** are your organizational scaling strategy, then **mental load** within those teams becomes your biggest obstacle, and **platform engineering** your most promising ally in overcoming it.



Platform Engineering is focused on **accelerating the speed of delivery** rather than **increasing reuse and standardization**.



It is not simply about **rebranding your existing infrastructure teams**, as they **address different problems**.



Great platforms **define APIs based on useful abstractions** rather than **leaky compositions**.



Treat and measure your **platform teams as product teams**, and therefore **staff** them accordingly.



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 SLIDES

