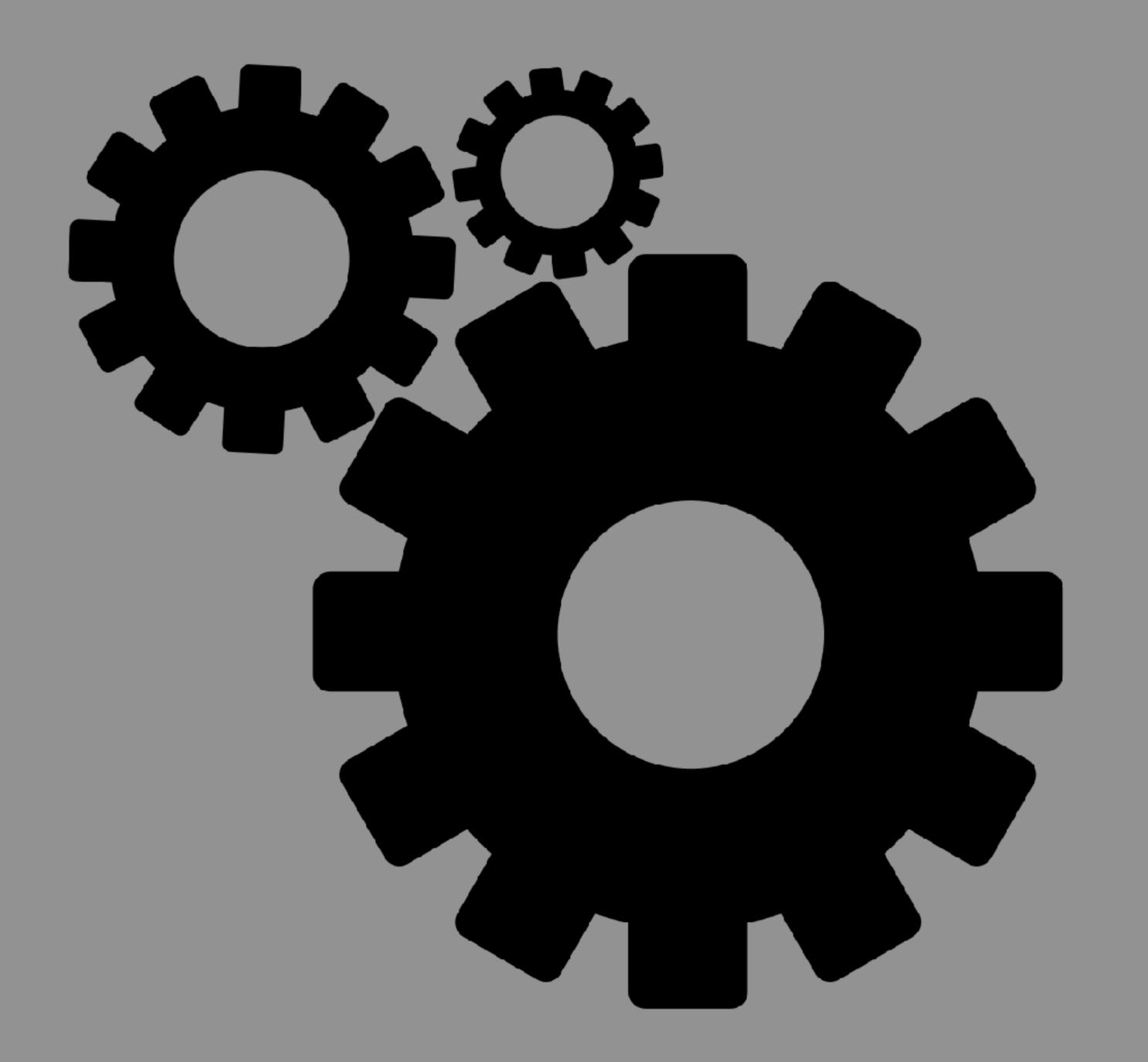


### Organizational Structures



### "If I have seen further than others, it is by standing on the shoulders of giants."

Isaac Newton

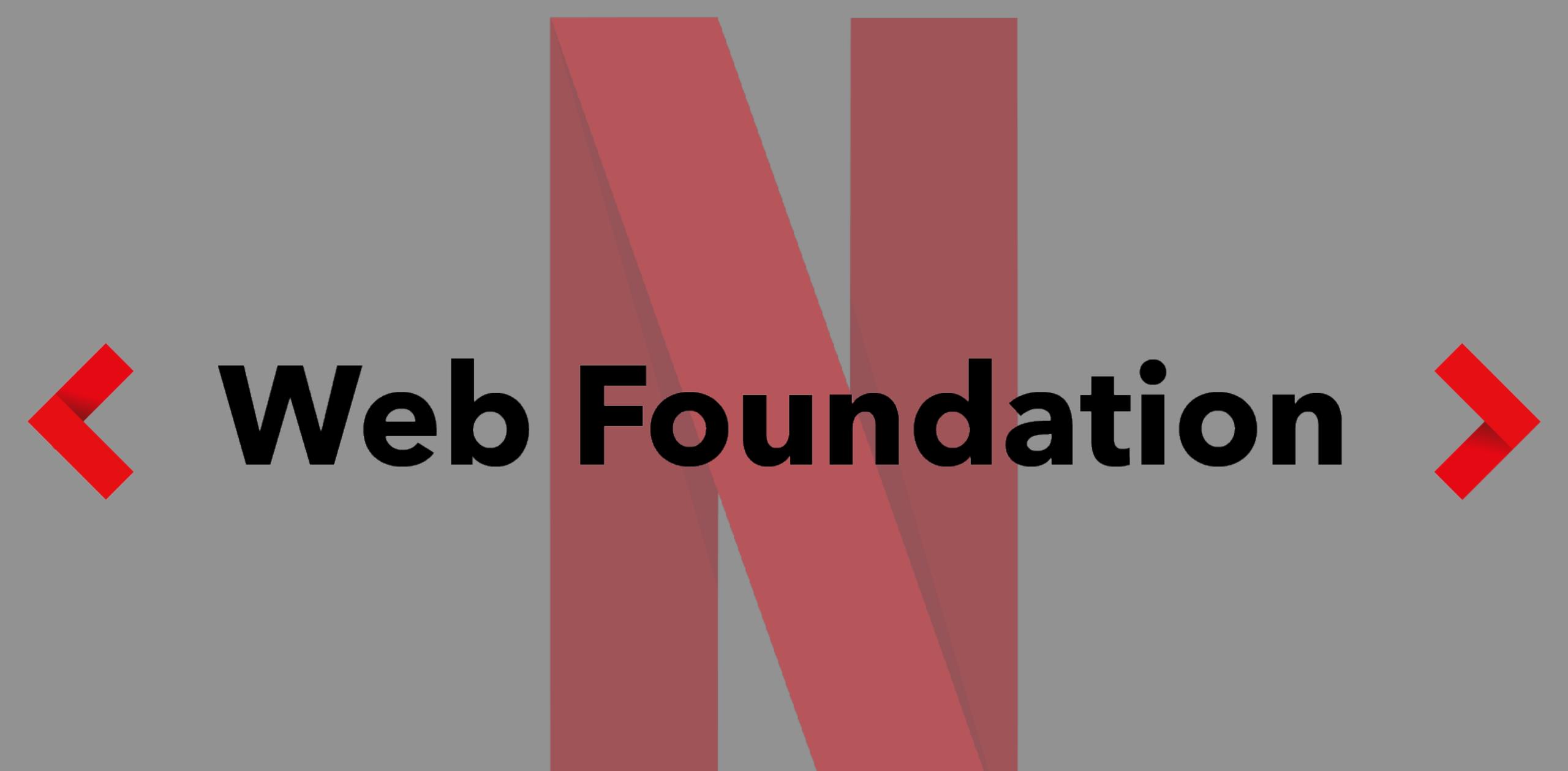


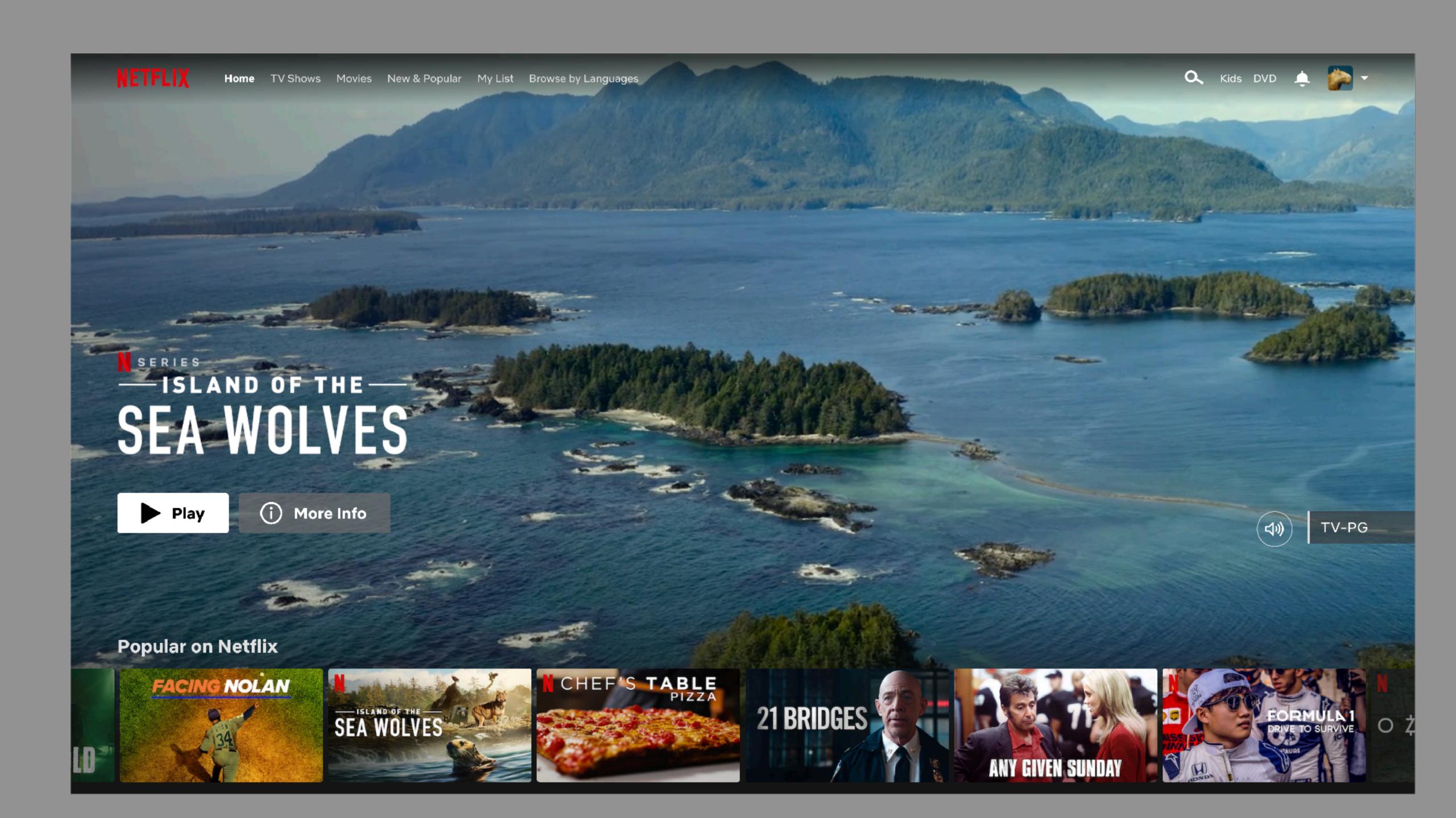
### Platform Engineering

## RISE

Astrona (a) Platform Plattorm

Jem Young Engineering Manager



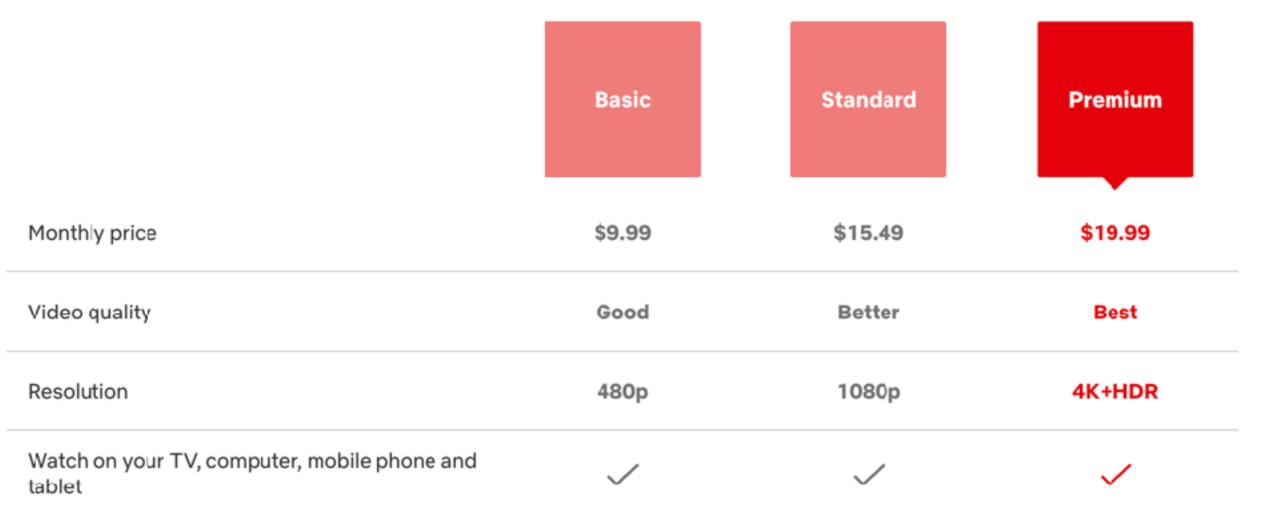




STEP 2 OF 3

#### Choose the plan that's right for you

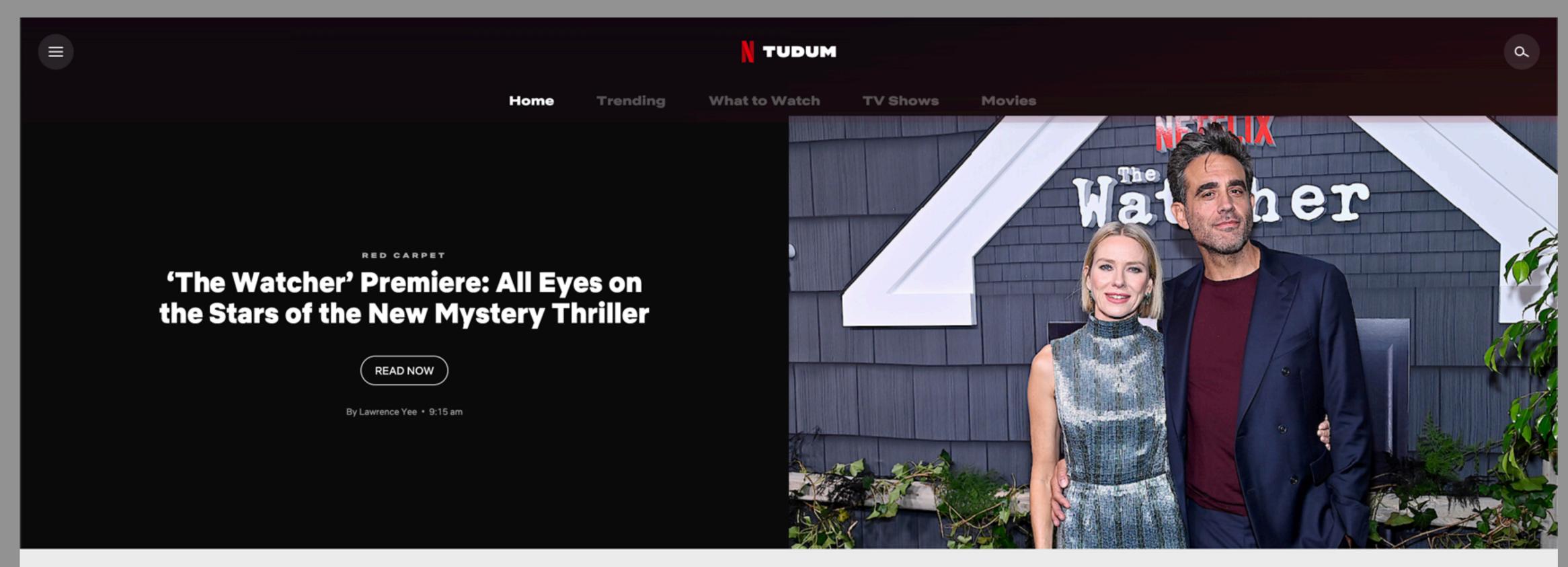
- Watch all you want. Ad-free.
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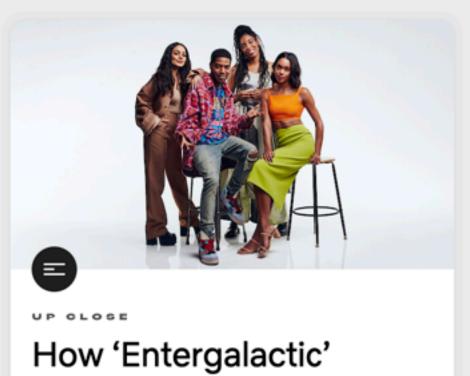
Next



### Spotlight

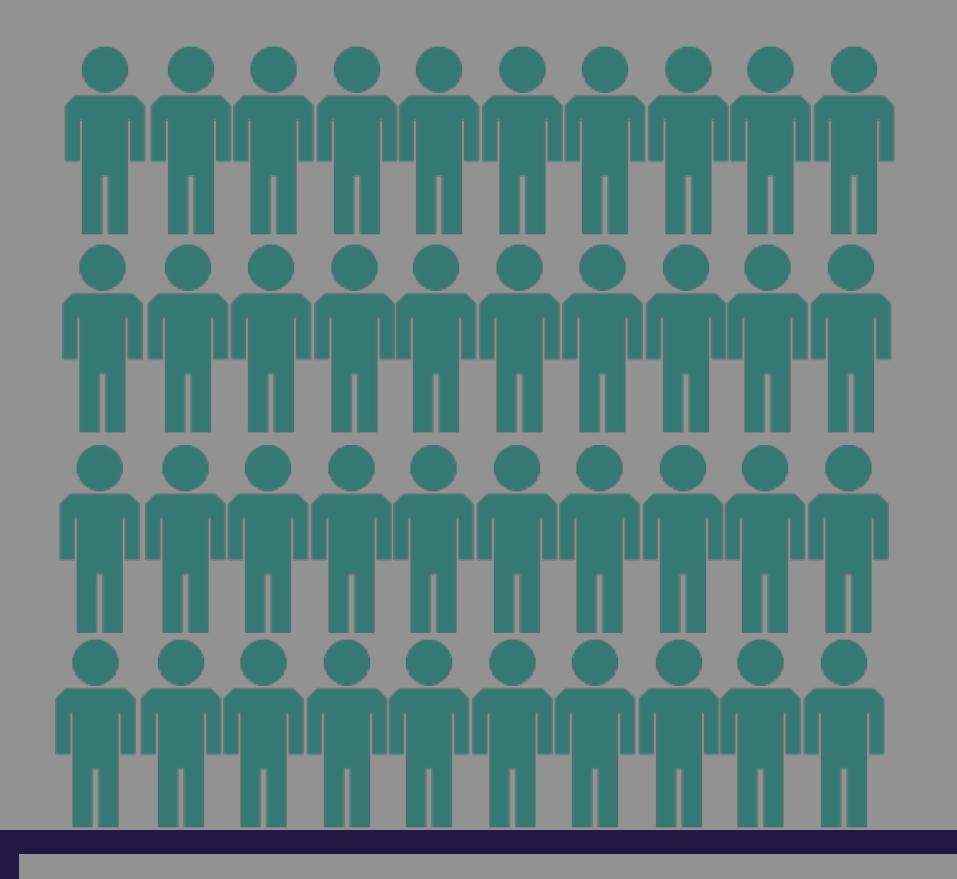


the 'Love Is Blind' Season



Became a Celebration of





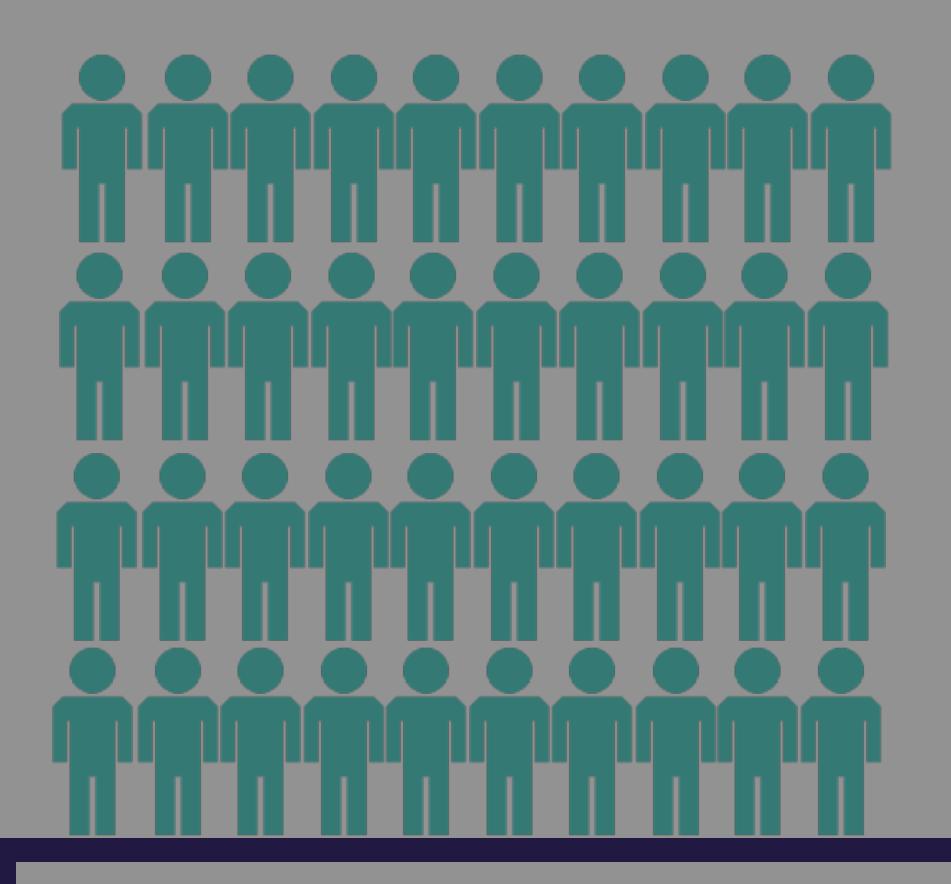




Web Foundation



### Netfix.com



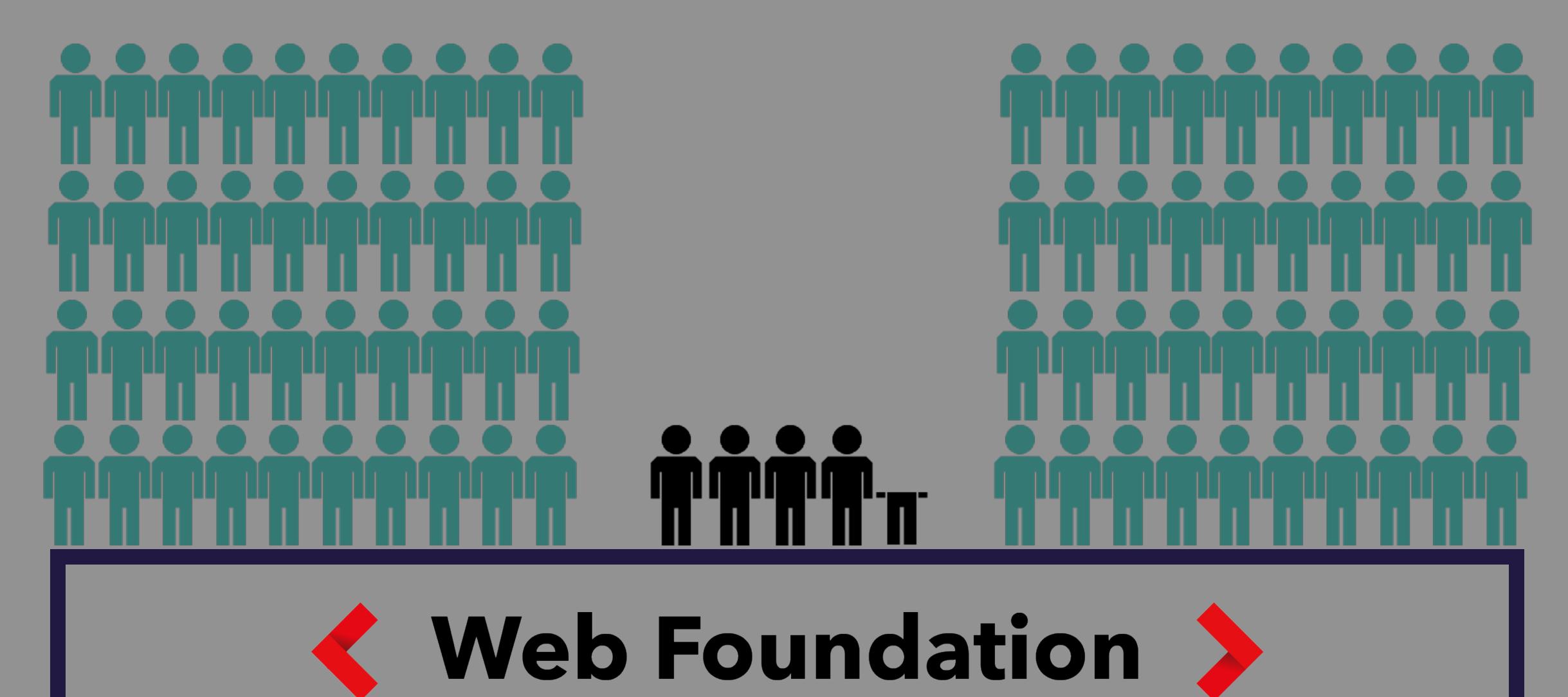




Web Foundation >



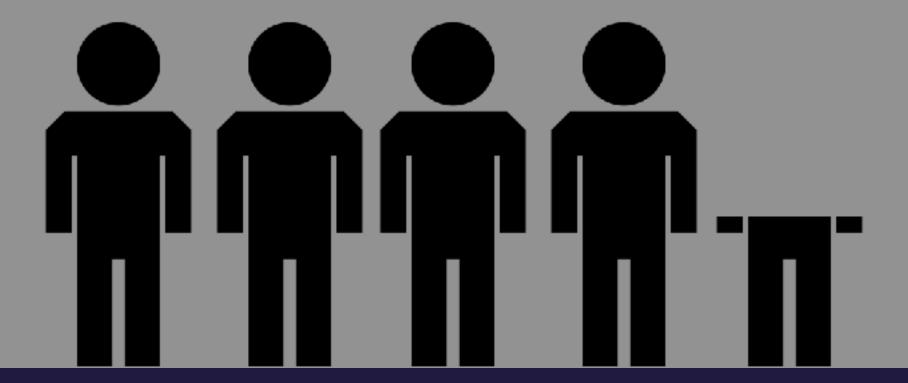
### Netfix.com



Signup

Streaming

Tudum





Web Foundation



- \*What a platform is
- \*What a platform does
- \*How a platform is made
- \*Lessons learned

### TypeScript React Emotion/Less Falcor/GraphQL Webpack NPM

Netfix.com



Web Foundation

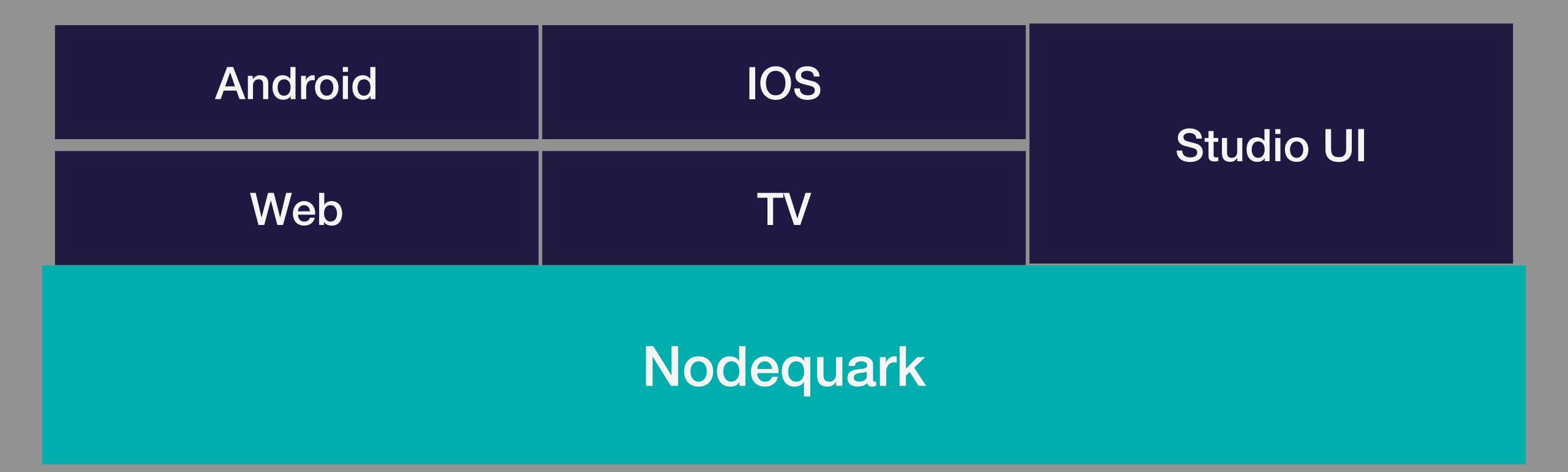




### Web Foundation >



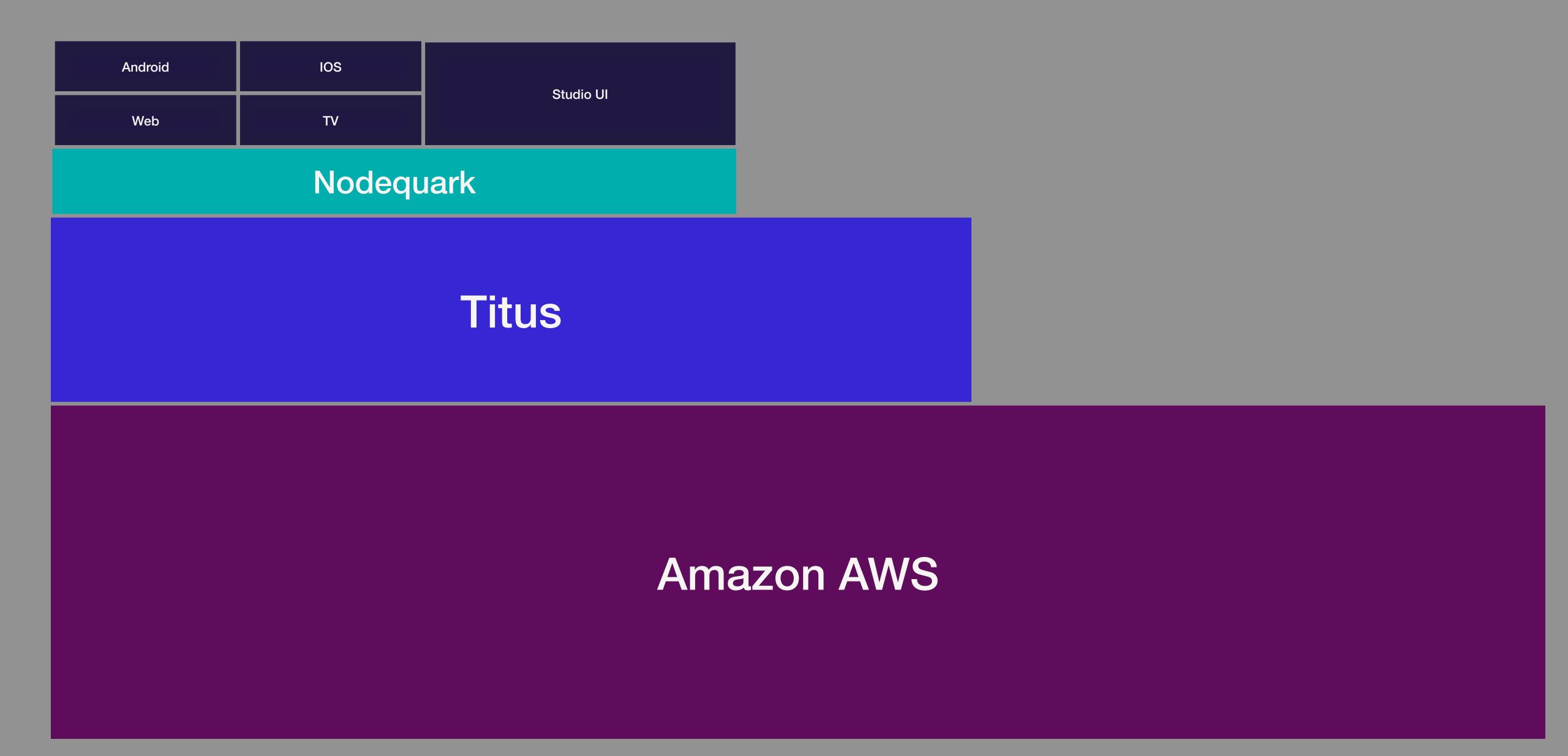
Nodequark



Android	IOS	Studio UI
Web	TV	

#### Nodequark

### Titus



### What is a platform?

A system or set of tools on which applications and services are developed

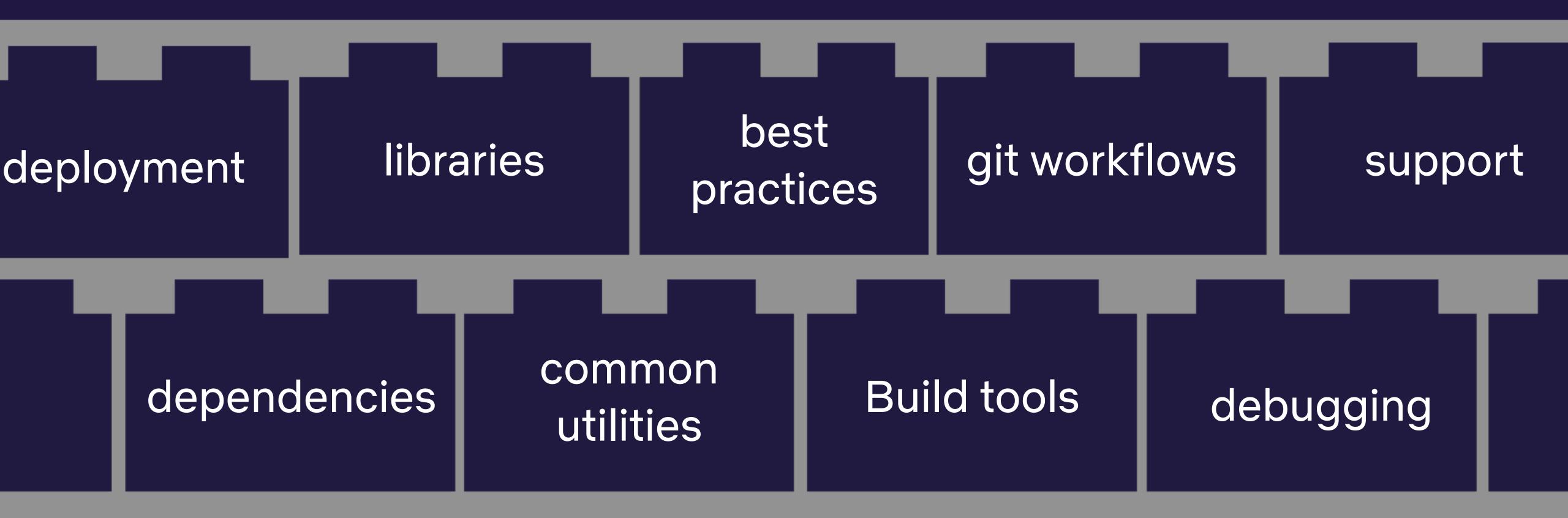
Signup

Streaming

Tudum

web platform

### platform

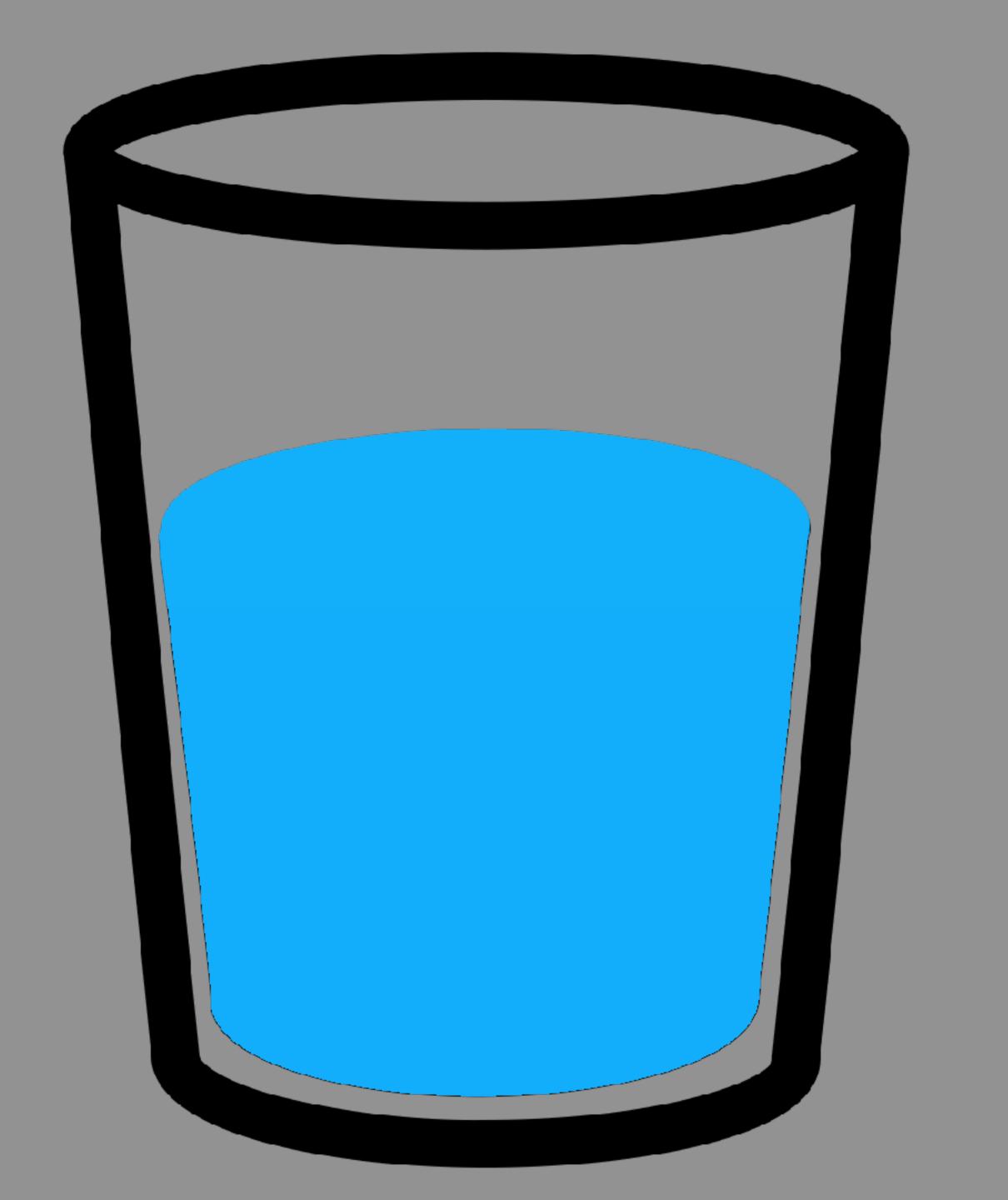


### platform

### How platforms are made



product / service

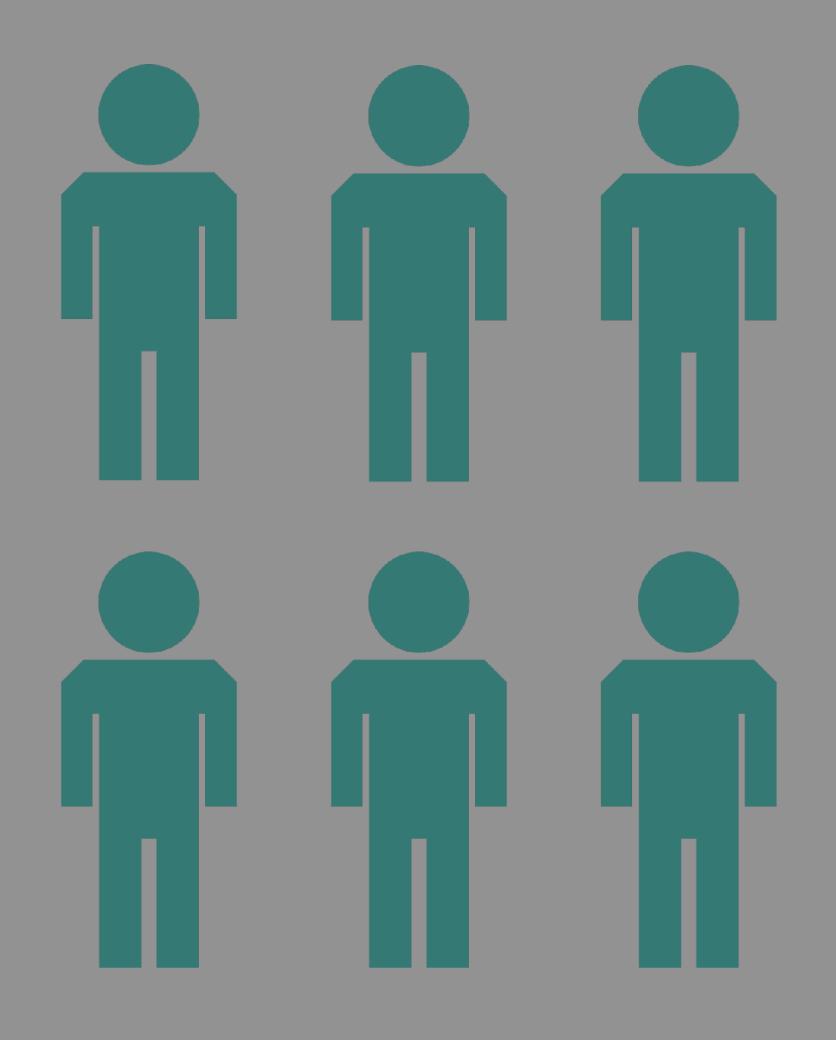


technology dependency management

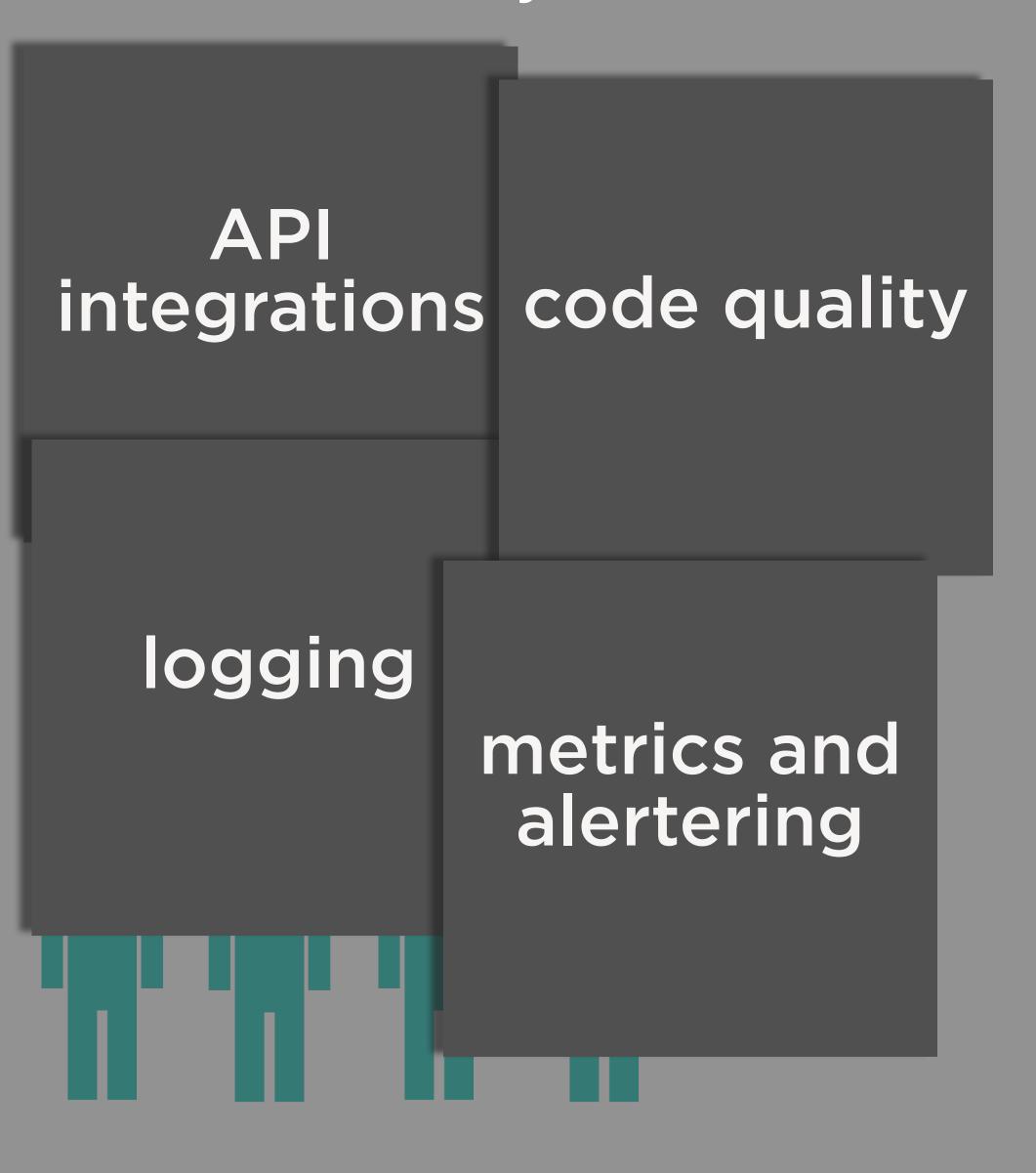
deployment workflow

unit testing



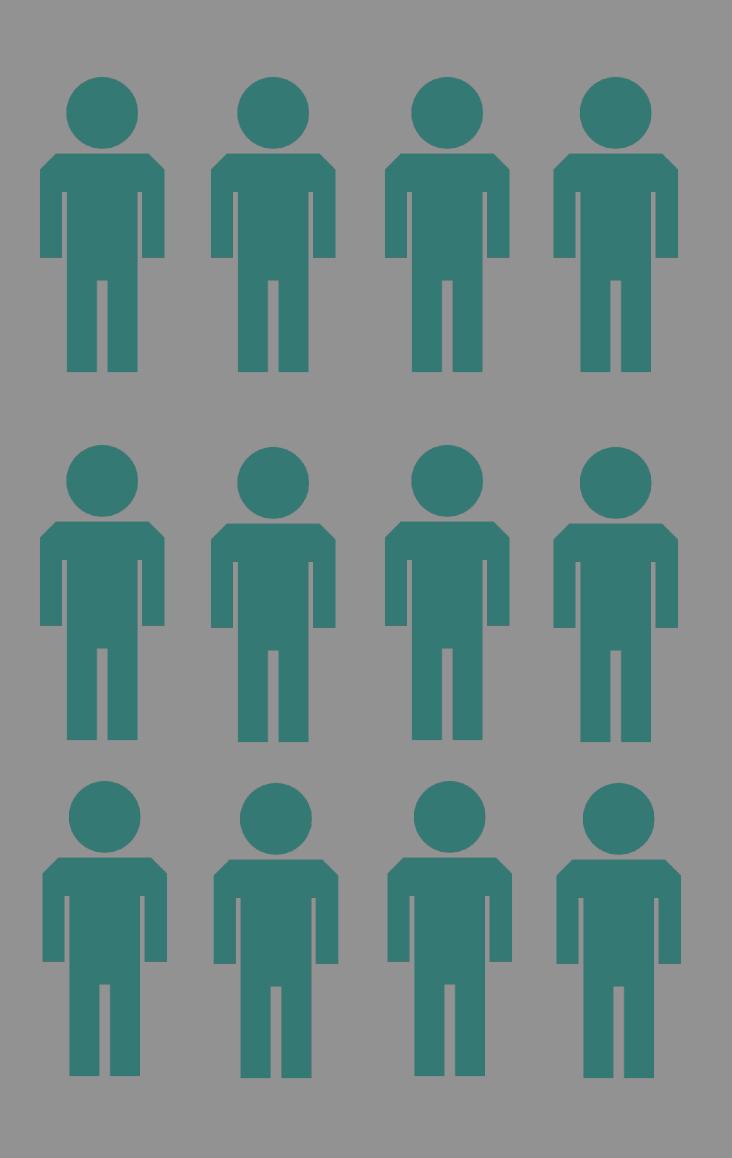


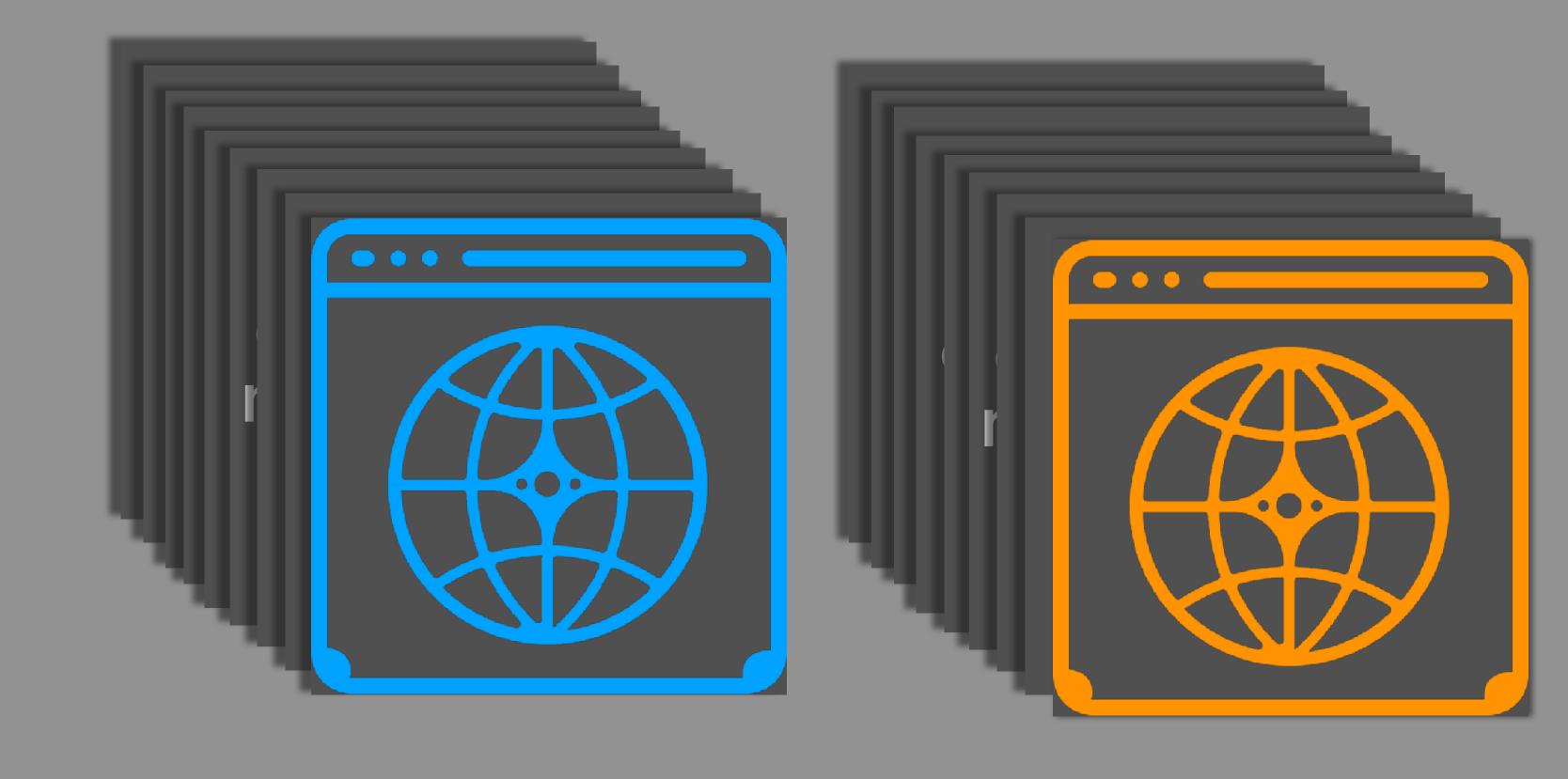




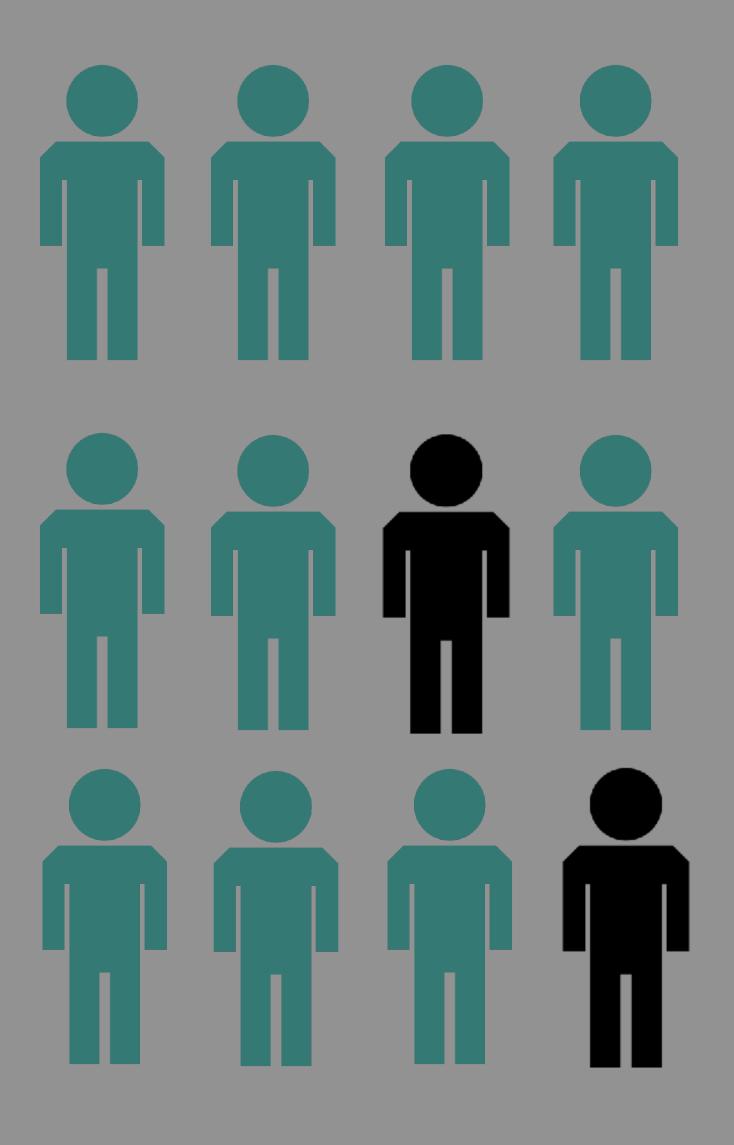






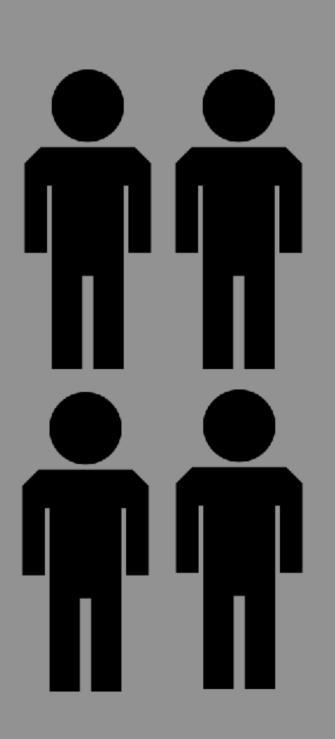


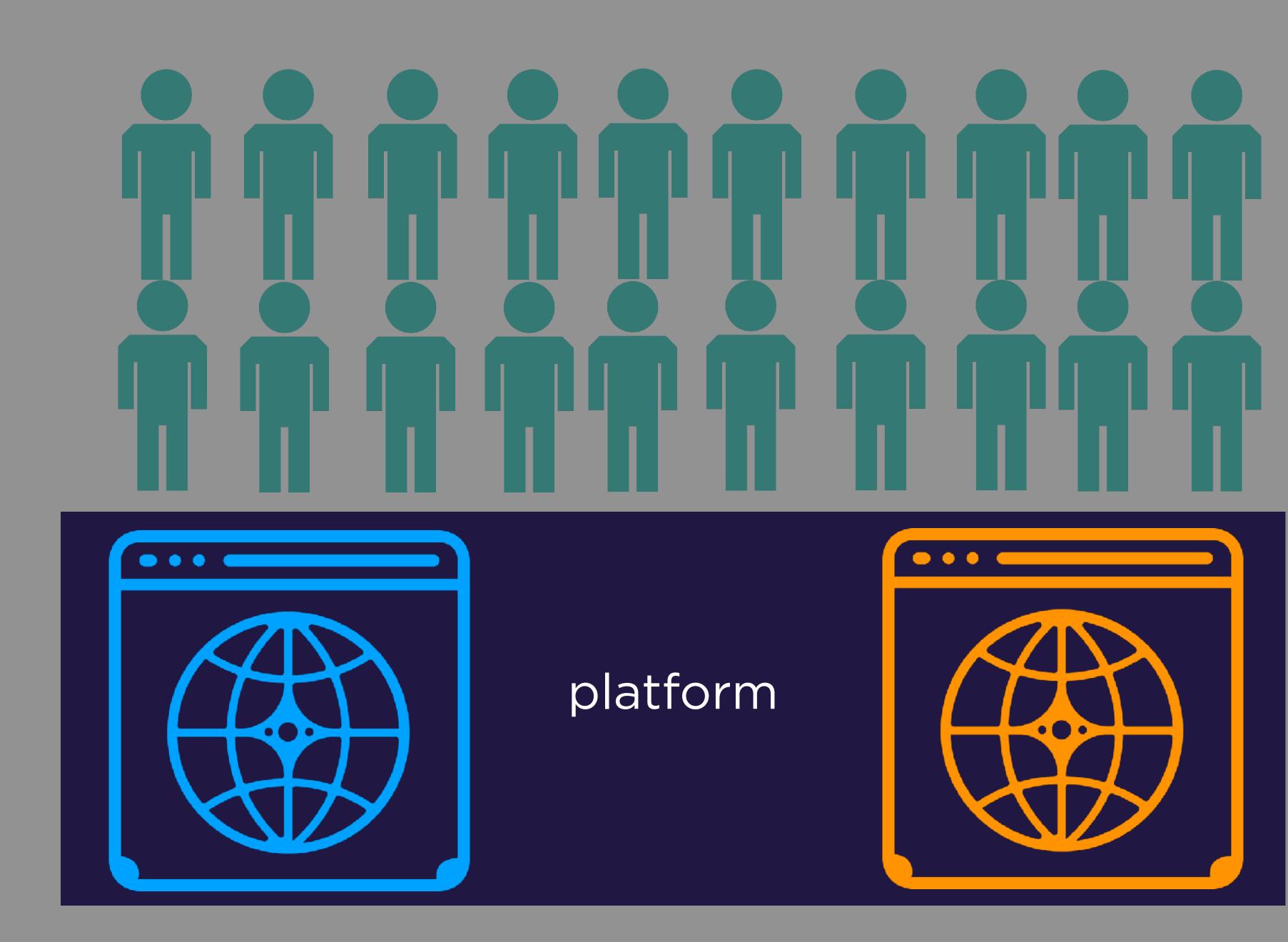
technical debt





# A platform is like culture. It will exist whether you want it to or not.





## What does a platform do?

standardization at scale

# HTML CSS JavaScript

### 2002

NETFLIX

Start Your Free Trial

.....

**How It Works** 

**Browse Selection** 

Free Trial Info

Member Sign In

Buy / Redeem Gift

#### **Unlimited Movie Rentals**





#### Unlimited DVDs: Fast

#### As many exchanges as you want

No monthly limit

#### Over 100,000 titles

New releases Classics & TV episodes

#### Fast, free shipping

About 1 business day

No late fees - ever!

#### Pre-paid return envelopes

Return a DVD in its pre-paid envelope and get another from your list

Mouse over to learn more

#### Unlimited Streaming: Instantly

#### As often as you want

Won't impact the number of DVDs you receive

#### Some classic movies & TV episodes

Very few new releases Separate, smaller library

#### Anytime you want

Movies start in as a little as 30 seconds

#### Where you want

Instantly streaming over the internet to your TV via Netflix partner devices like Xbox 360 (late fall 2008), LG (fall 2008) and Roku (available now). or Simply watch online on your PC.

No additional fees - really!

Mouse over to learn more

### FREE

#### Start Your Free Trial

Email	
Password 4-1	) characters
Re-type assword	
Secure Server	Continue
	vacy. Netfloc will not mail address to third parties.
FREE Trial of	ffer details

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Questions? 1-866-519-1184 24/7 live support

## HTML CSS JavaScript





### Production



#### release candidate export default function LeadDiv() { return ( <div></div> validation develop environment compile code quality deploy version control automated checks automated checks build

#### Production



## workflow optimization

```
network transport protocols
  service workers UI frameworks
         browser developer tools
   HTML
         status codes
   CSS
            NodeJS local storage
JavaScript
   web workers async programming
                               npm
accessibility XSS cookies
IndexDBUX desi
```

network transport protocols service workers UI frameworks HTM browser developer tools CSS status codes JavaScript NodeJS local storage web workers async programming npm accessibility XSS cookies IndexDBUX desi

## HTML CSS JavaScript





Typoscint Dooct Emotion/Less Falcor/OraphQL WWCDDack

Flow Vue Tailwind REST Parcel Yarn

Netfix.com

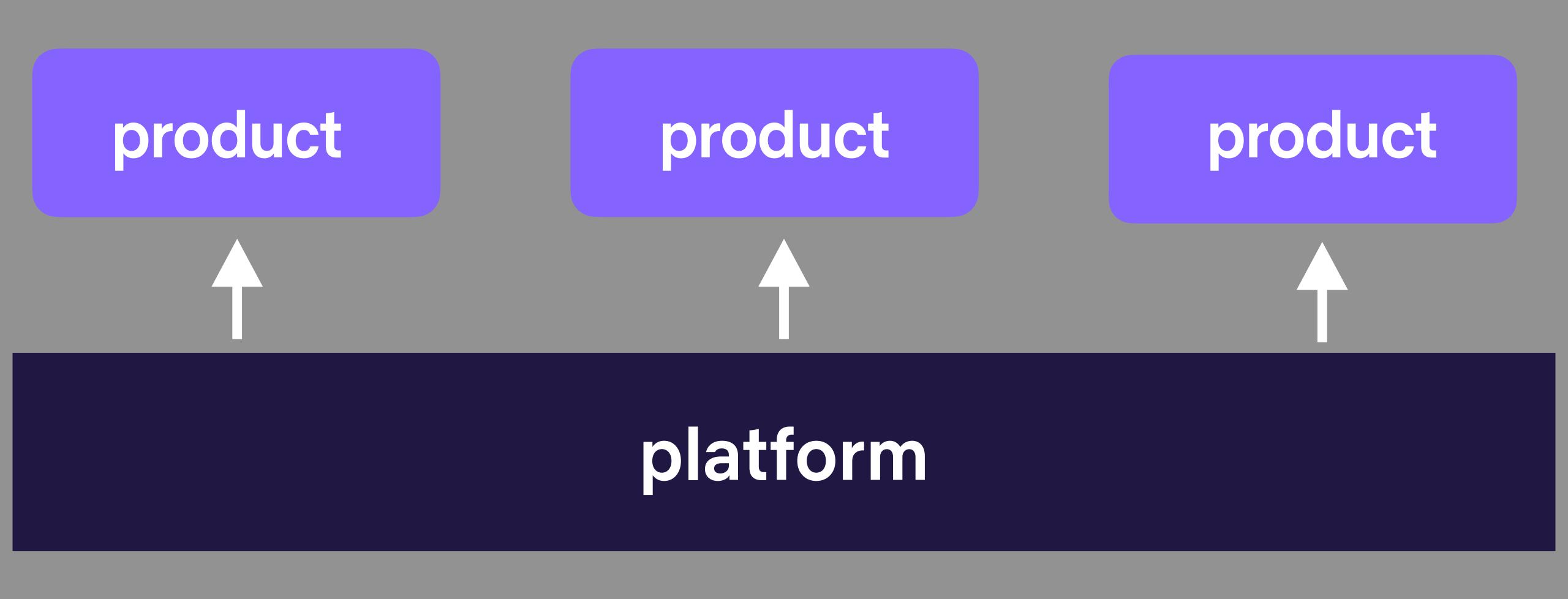
### technology curation

technology curation workflow optimization 

# paved road

# A platform is a product

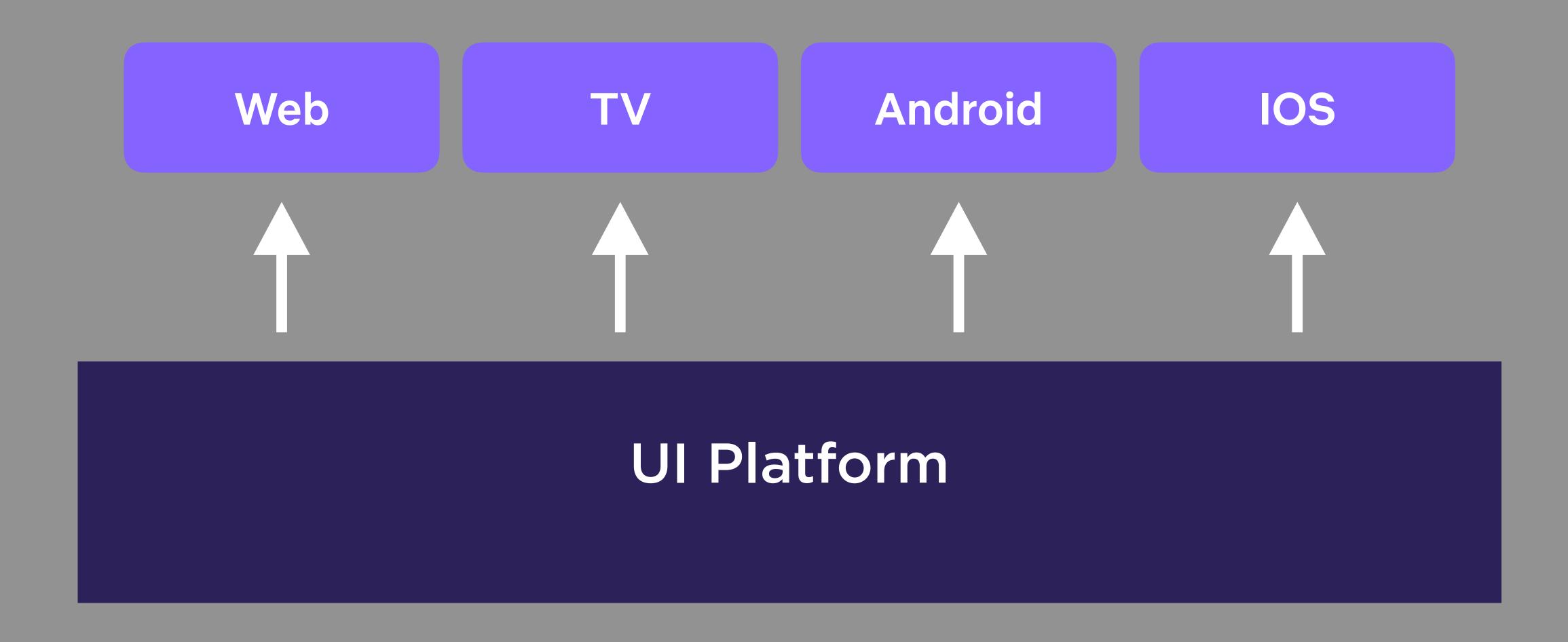
# A platform team is an internal product team



# Lessons learned

# Understand the product

#### Netflix 2017



#### Netflix 2022

WebTVAndroidIOSweb platformtv platformandroid platformIOS platform

# A platform team must be well scoped

application

application

application

application

application

application

web platform

application

application

application

application

application

application

signup platform

streaming platform

web platform

# Always account for support and maintenance

# SUPPOSIT

# maintenance

"Give me a lever long enough and a fulcrum on which to place it and I shall move the world."

- \*What a platform is
- \*What a platform does
- \*How a platform is made
- \*Lessons learned

# Platform Engineering

# RISE

Astrona (a) Platform Plattorm Plattorm