EVENTS AND WEBHOOKS AND MICROSERVICES, OH MY!

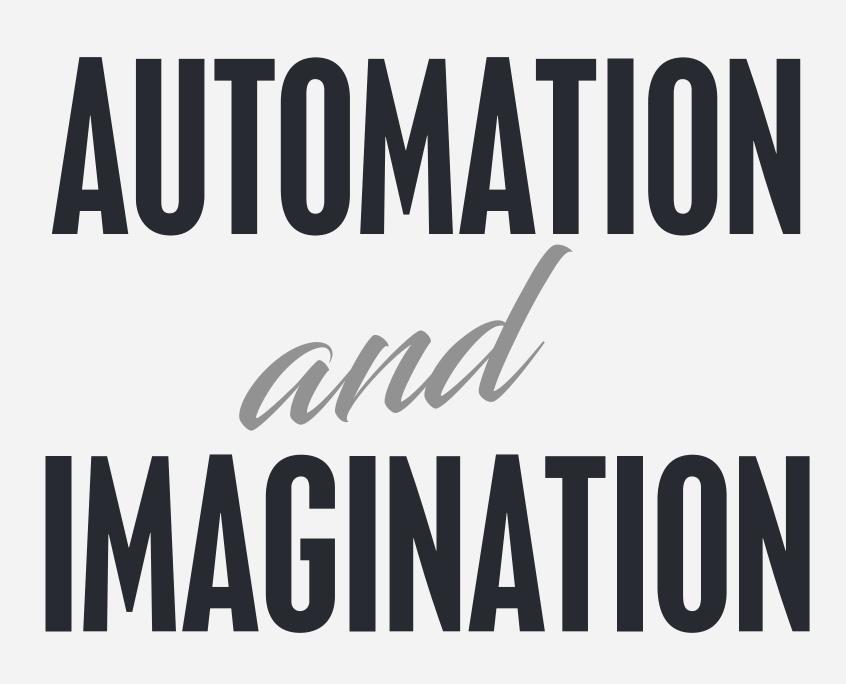
PHIL HAWKSWORTH















UpFront Conf, 2019

REALTIME FINANCIAL DATA





UpFront Conf, 2019

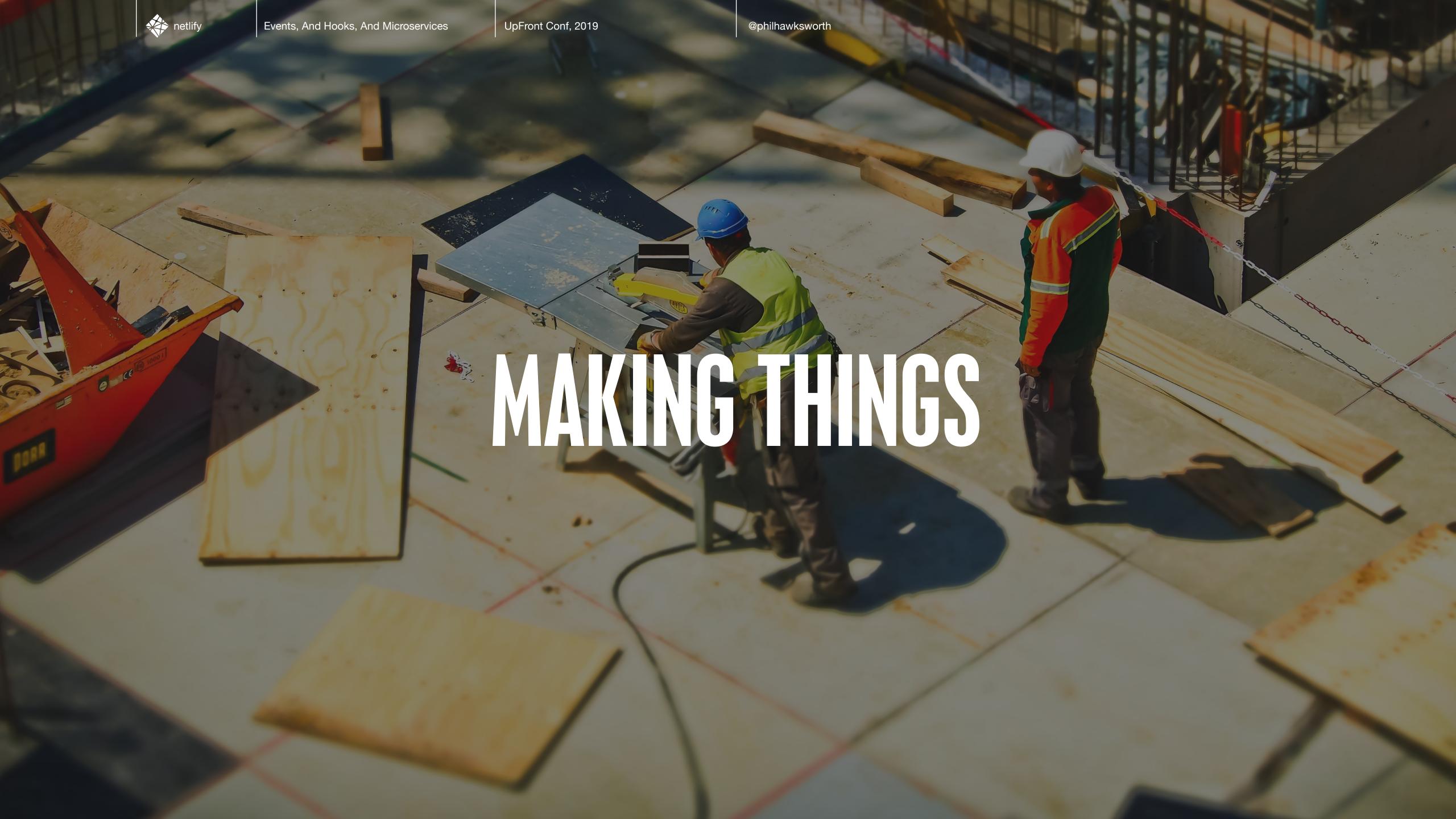
SHIPPING INSURANCE















BRIEF

AWARDS

LAUNCH DAY





Events, And Hooks, And Microservices

UpFront Conf, 2019

@philhawksworth

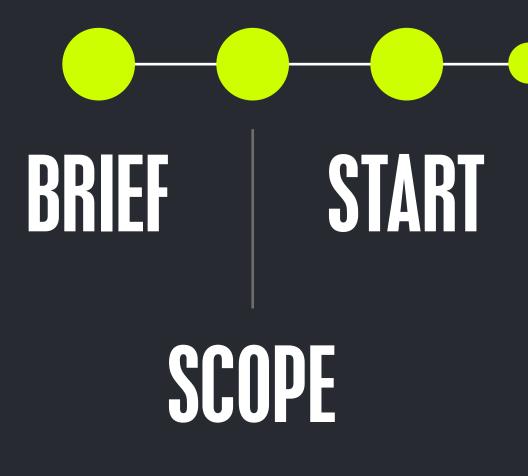






THE PROJECT TIMELINE

FIXES



RE-SCOPE

CLIENT REVIEW

LAUNCH

AWARDS

"FINAL" SIGN OFF





SEEK TO ATTAIN LOOSE COUPLING AND TIGHT COHESION



A DIFFERENT APPROACH







Events, And Hooks, And Microservices

UpFront Conf, 2019

@philhawksworth

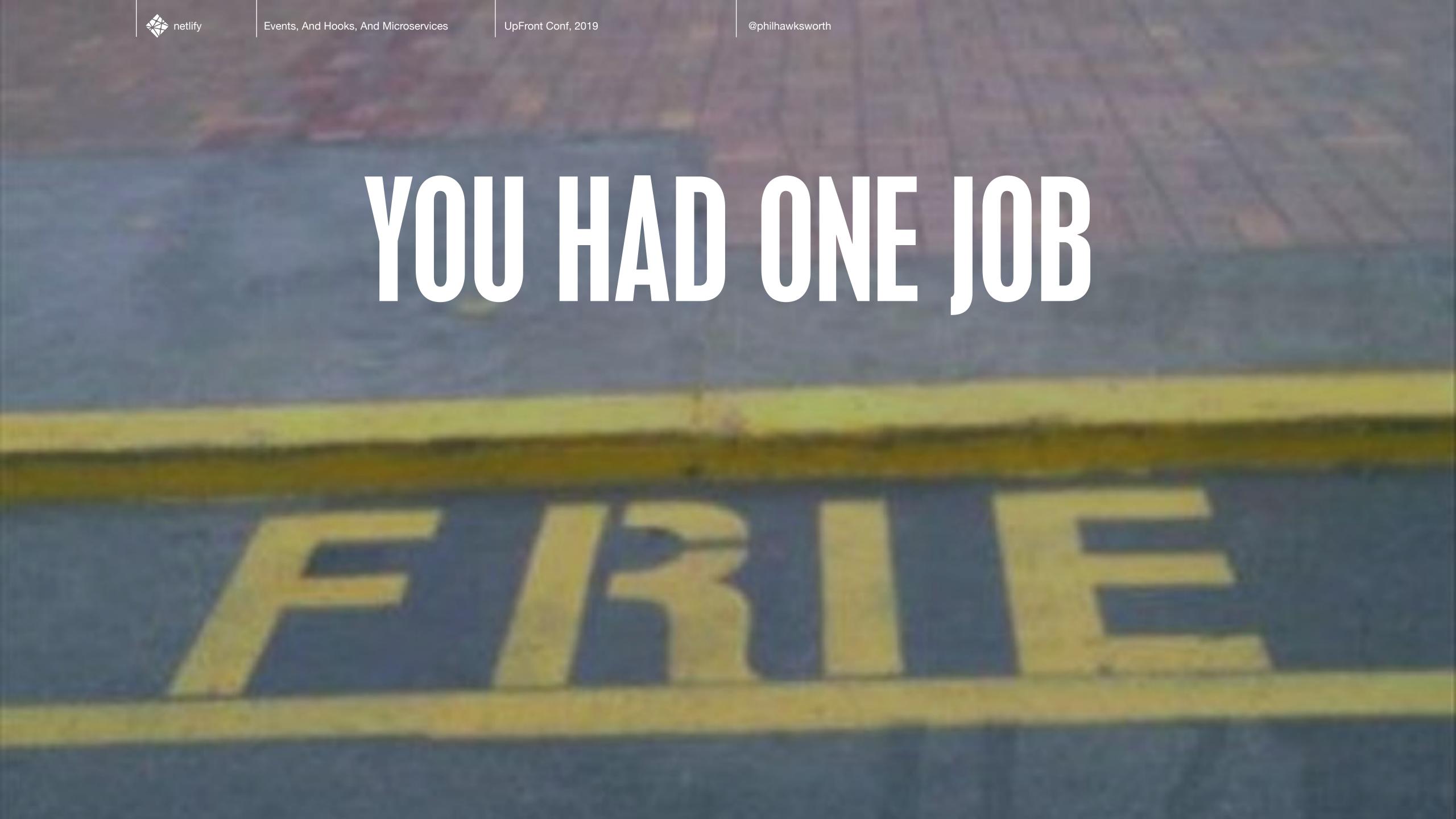




UpFront Conf, 2019

BY BREAKING THE MONOLITH APART, WE CAN ENJOY BOUGHT OR BUILT SPECIALIST SERVICES





UpFront Conf. 2019

EVENTS, WEBHOOKS, MICROSERVICES AND APIS PROVIDE GLUE



BOUGHT SERVICES

CMS

ASSETS

COMMERCE

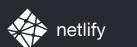
IDENTITY

CONTENTFUL SANITY GRAPHCMS

CLOUDINARY

STRIPE SNIPCART AUTHO OAUTH

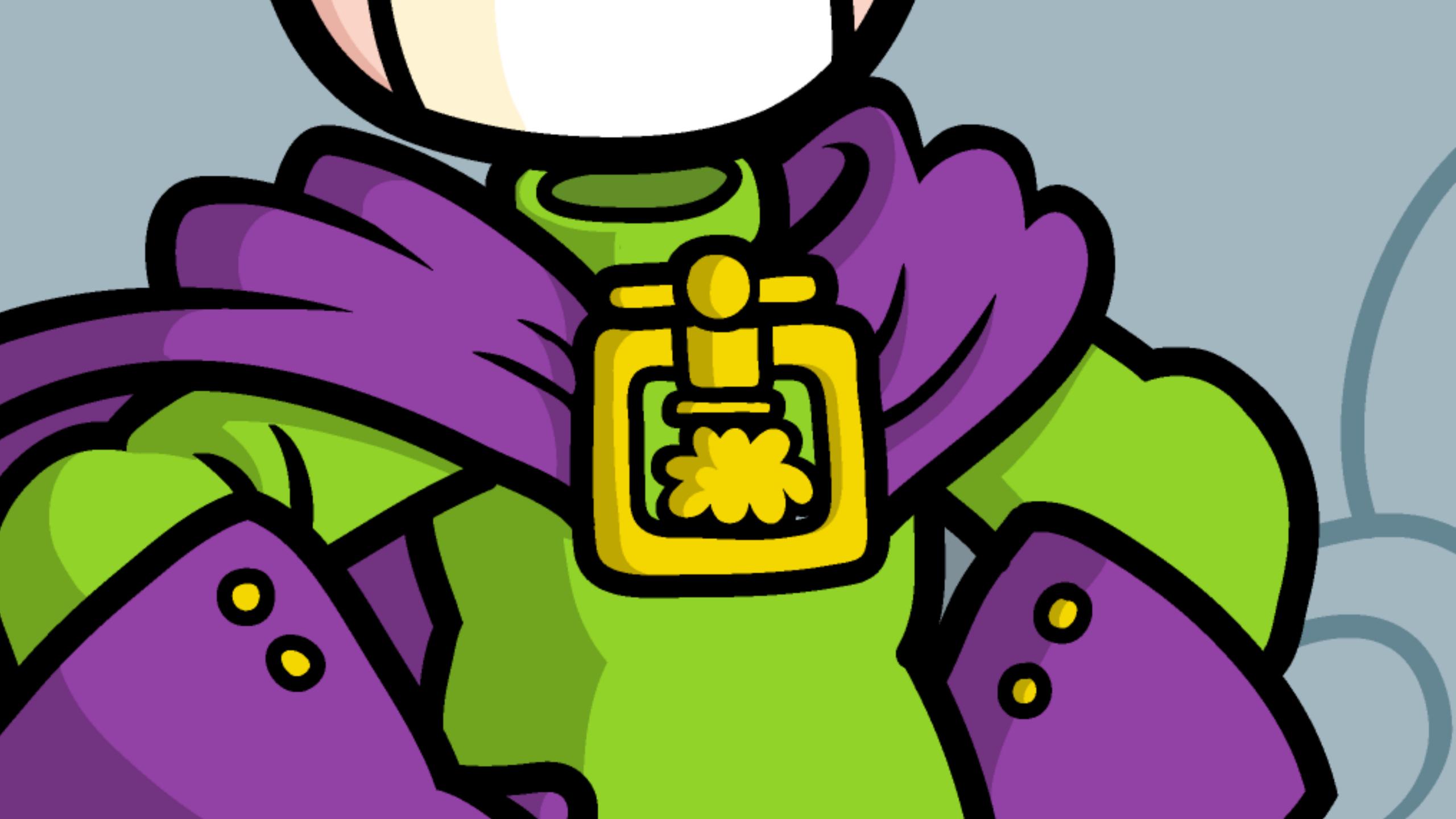
BUT WHAT OF THE RISK?











VENDORS PROVIDING A SINGLE SERVICE DEPEND ON ITS SUCCESS MORE THAN YOU DO

TECHNICAL AND SERVICE LEVEL CONTRACTS



BOUGHT SERVICES



CMS

DAMS

COMMERCE

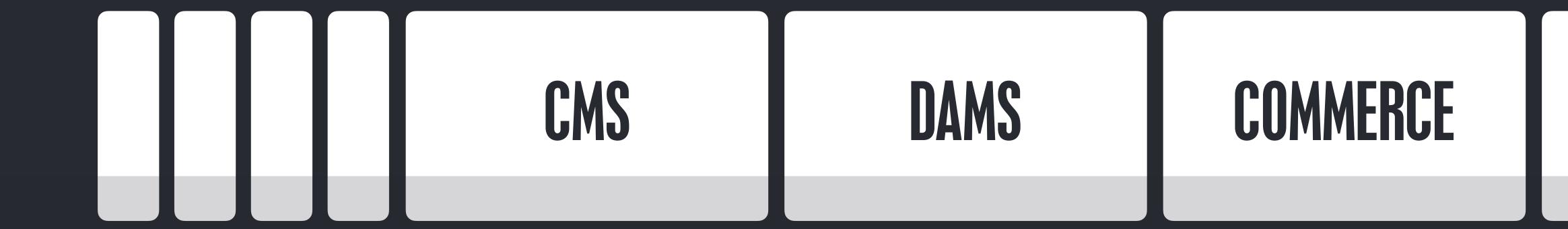
IDENTITY



Events, And Hooks, And Microservices

UpFront Conf, 2019

@philhawksworth





SMALLER SURFACES ARE EASIER TO REASON ABOUT, AND CREATE GREATER AGILITY

GREATER FOCUS PROVIDES A MORE OBVIOUS PATH TO MYP





I WOULDN'T USE A MINIMUM VIABLE PARACHUTE

netlify





MVP SNOT CHOOSING A WEAK PRODUCT OVER GOOD PRODUCT

UpFront Conf, 2019

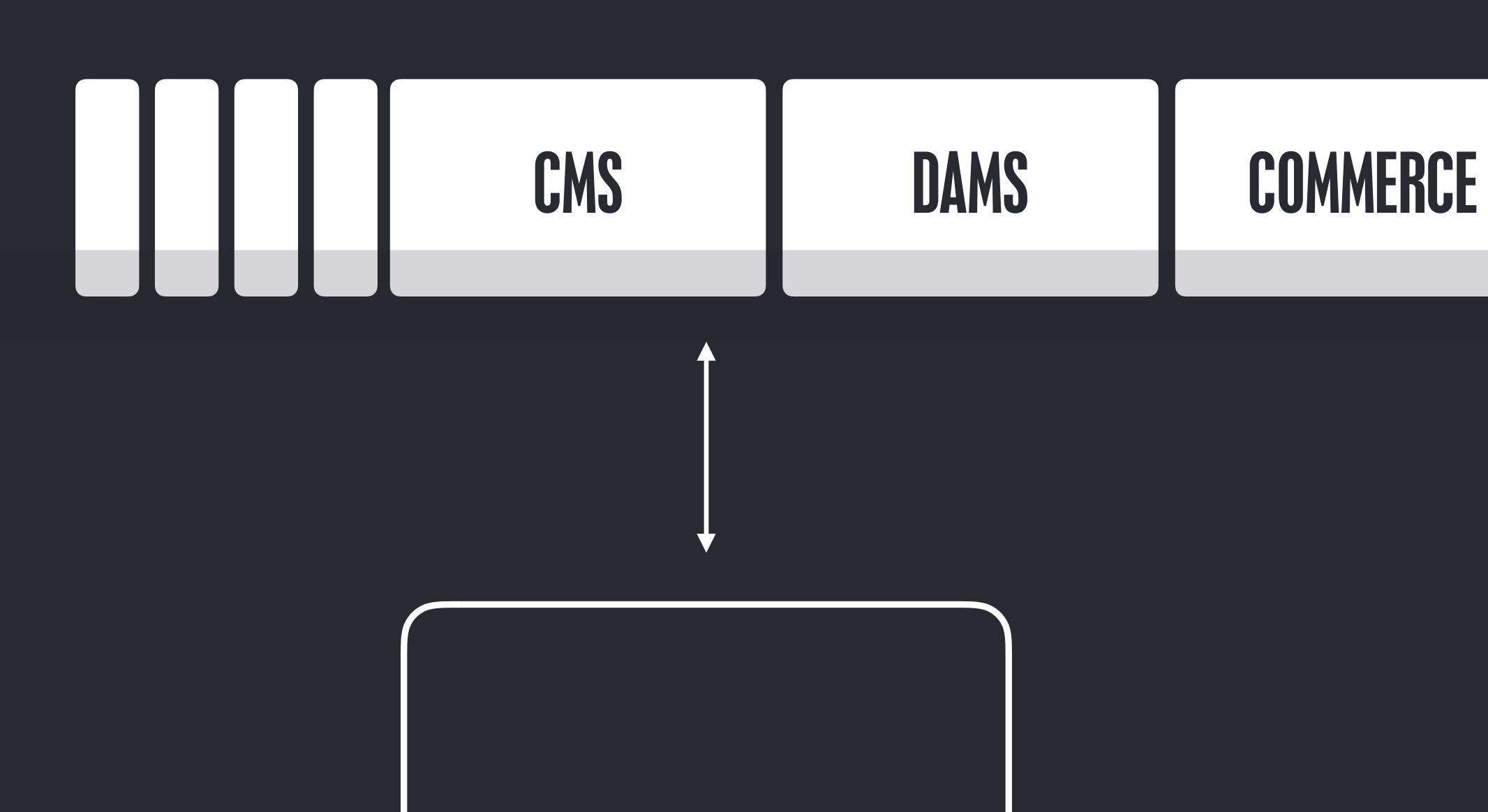




Events, And Hooks, And Microservices

UpFront Conf, 2019

@philhawksworth





FUNCTIONS AS A SERVICE

FUNCTIONS AS A SERVICE ENABLE A MICROSERVICES ARCHITECTURE

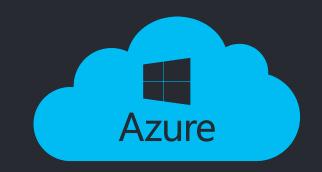
LOWERING THE OVERHEAD OF DEPLOYING / MAINTAINING / MANAGING / SECURING OUR CODE

```
exports.handler = (event, context, callback) ⇒ {
  callback(null, {
    statusCode: 200,
    body: 'Hello UpFront!'
  })
```

SHIFT THE BURDEN





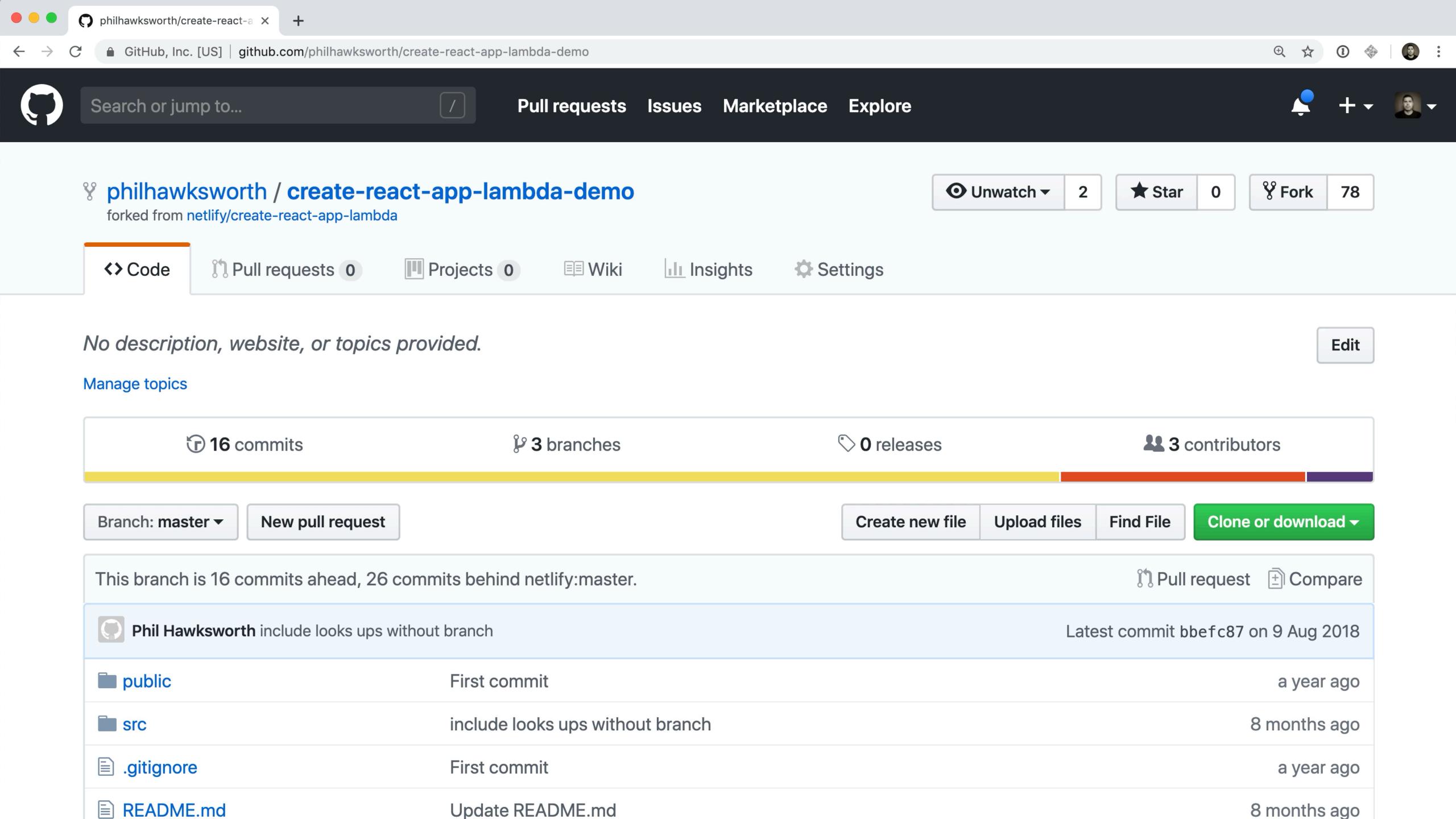


SOFTWARE AND PATCHES
OPERATING SYSTEM
NETWORK
PHYSICAL / VIRTUAL SCALING

WHAT DOES DEPLOYING SERVERLESS APIS LOOK LIKE?

WHAT DOES DEPLOYING SERVERLESS APIS LOOK LIKE?

CREATE AN API / CREATE A UI / DEPLOY SOME CHANGES

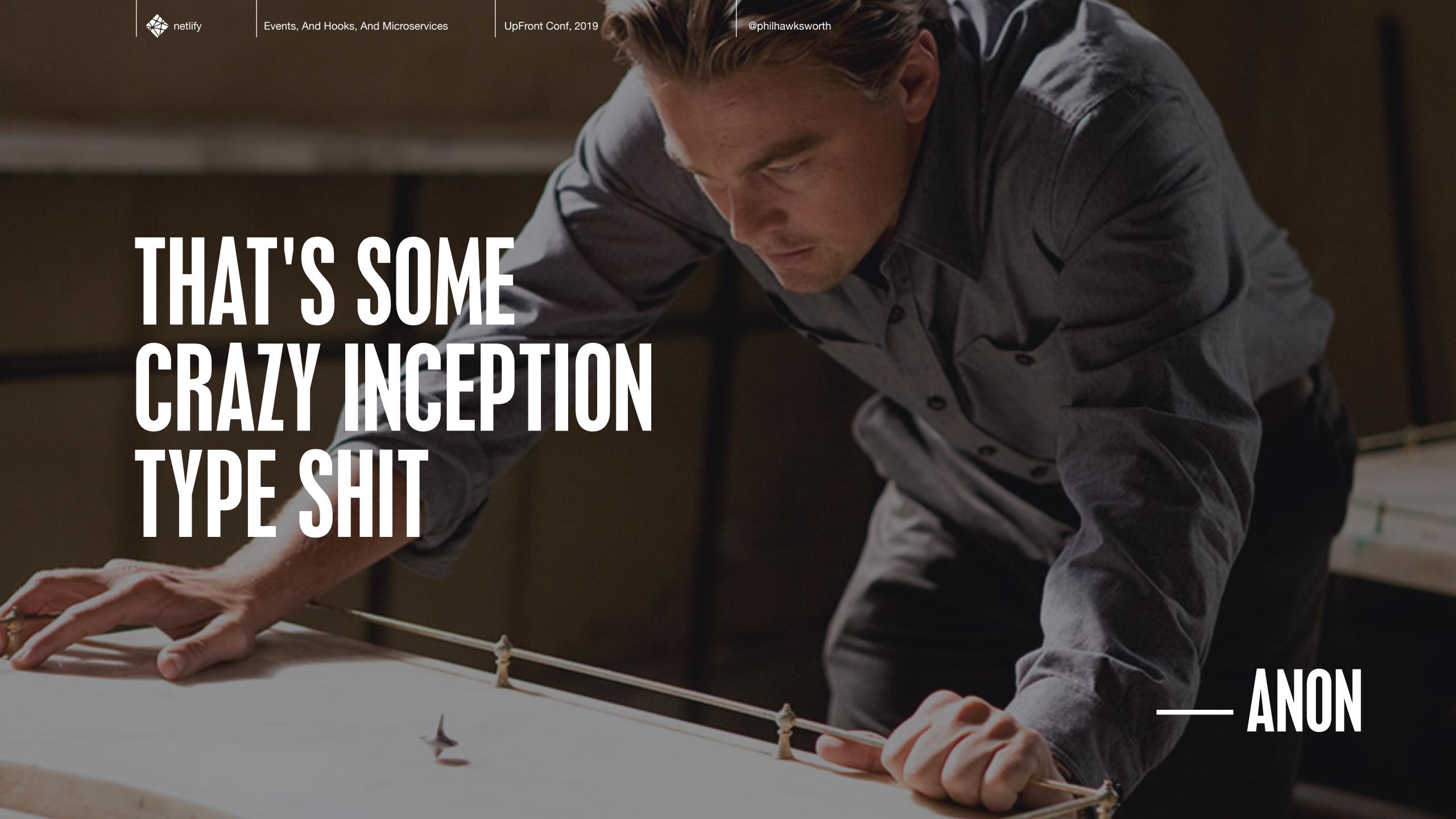




WEBHOOKS, TRIGGERS AND AUTOMATION

BEHIND THE SCENES, NETLIFY IS USING AWS APIS TO CREATE OUR SERVERLESS... UM... APIS

BEHIND THE SCENES, NETLIFY IS USING AWS APIS TO CREATE OUR SERVERLESS... UM... APIS











Zach Leatherman

@zachleat



free side project idea: HTML-only static site generated clock that deploys a new version to @netlify every minute

8:54 PM - 19 Jul 2018

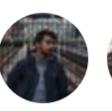
30 Likes







































Replying to @zachleat @hankchizljaw @Netlify

Would be clever marketing for Netlify for sure. _Builds so cheap you can set your clock by them.

(I'm still workshopping it.)

9:12 PM - 19 Jul 2018







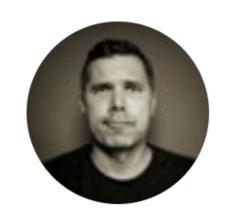












Phil Hawksworth

@philhawksworth

Replying to @zachleat @chriscoyier and 2 others

Hold my beer.

10:25 PM - 19 Jul 2018

12 Likes



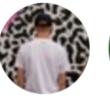




























@philhawksworth

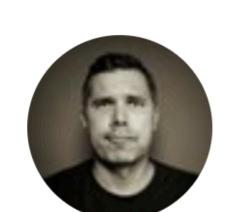


Phil Hawksworth

@philhawksworth

Replying to @philhawksworth @zachleat and 3 others

Only an idiot would make what you are suggesting.



Phil Hawksworth

@philhawksworth

Replying to @philhawksworth @zachleat and 3 others

Only an idiot would make what you are suggesting.

setyourwatchby.netlify.com

2:02 PM - 20 Jul 2018

12 Retweets 41 Likes

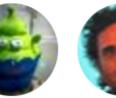












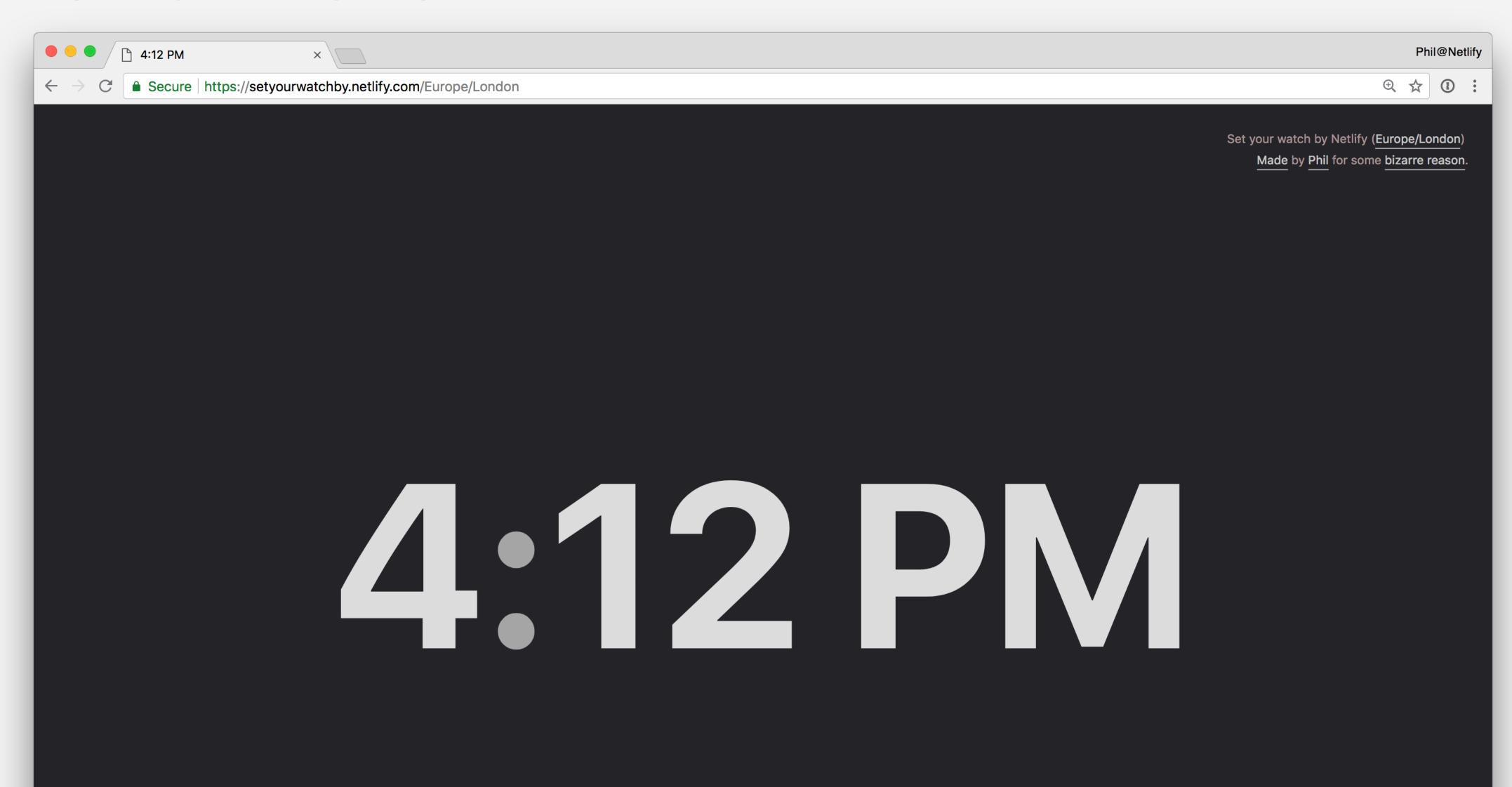






FINDTHAT.AT/TIME

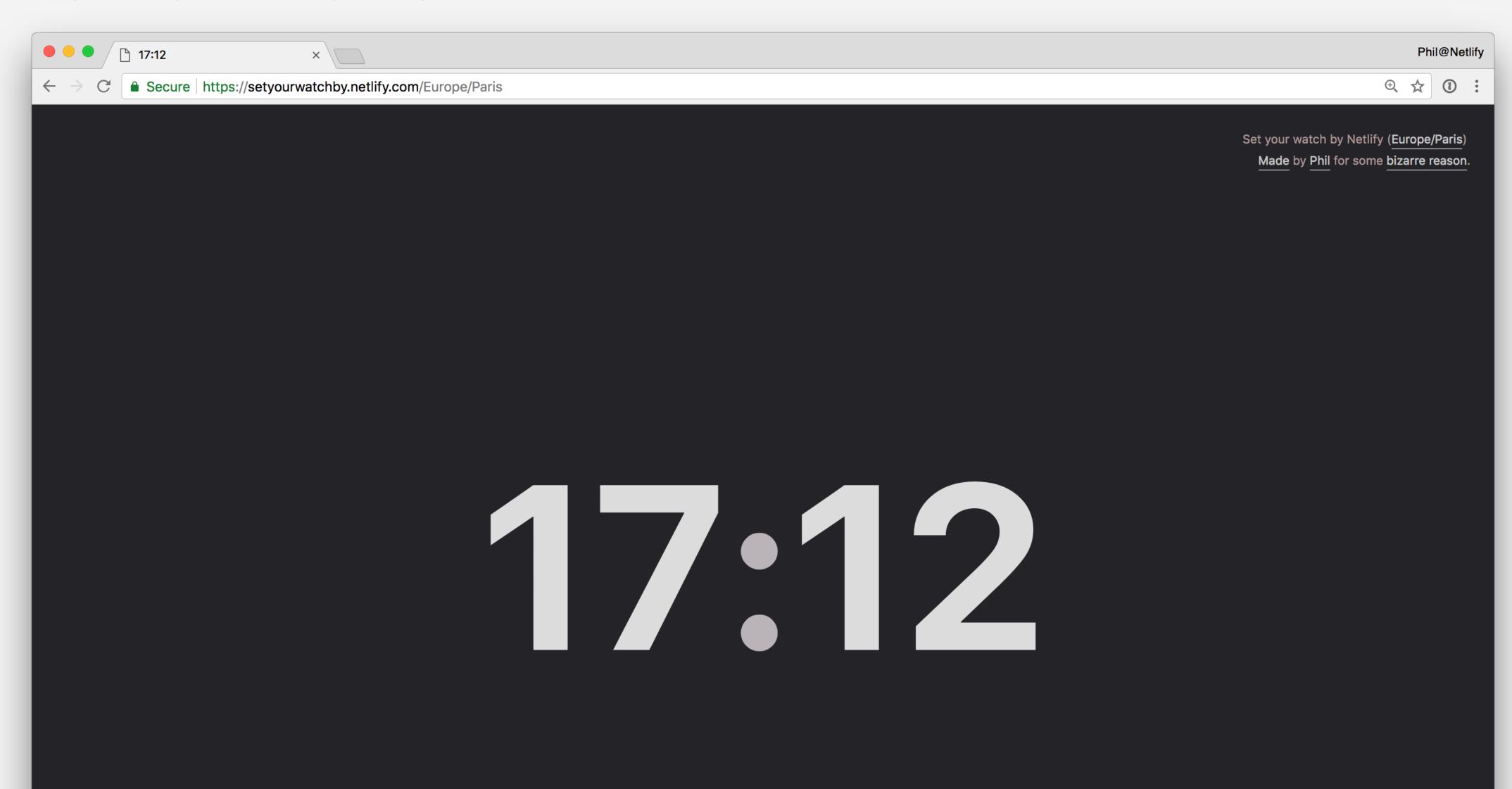
https://setyourwatchby.netlify.com





FINDTHAT.AT/TIME

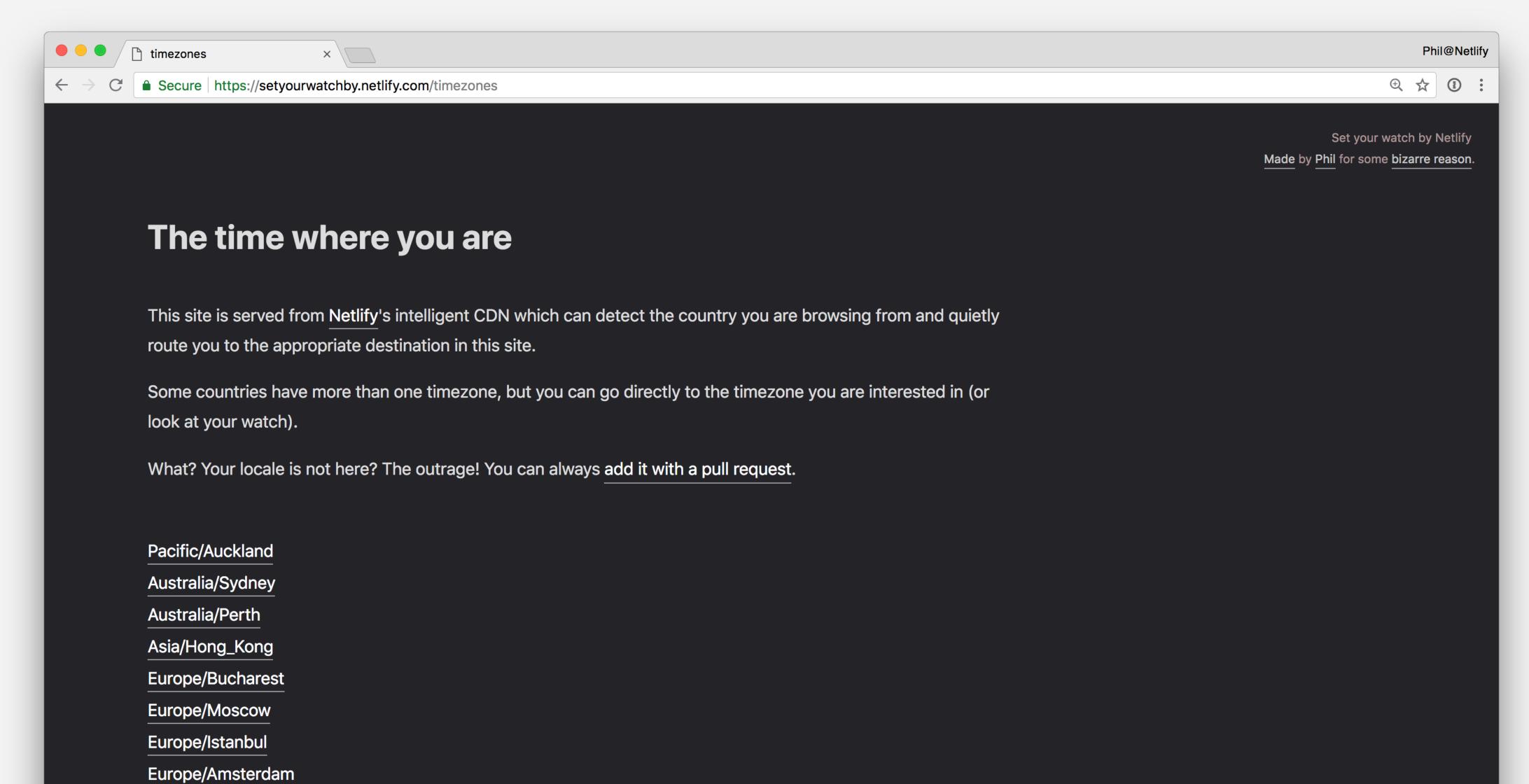
https://setyourwatchby.netlify.com





FINDTHAT.AT/TIME

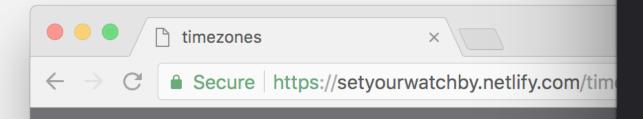
https://setyourwatchby.netlify.com





FINDTHAT.AT/TIN

https://setyourwatchby.netlify.



The time where you

This site is served from Netlify's intellige route you to the appropriate destination

Some countries have more than one time look at your watch).

What? Your locale is not here? The outra

Pacific/Auckland

Australia/Sydney

Australia/Perth

Asia/Hong_Kong

Europe/Bucharest

Europe/Moscow

Europe/Istanbul

Europe/Amsterdam

Pacific/Auckland

Australia/Sydney

Australia/Perth

Asia/Hong_Kong

Europe/Bucharest

Europe/Moscow

Europe/Istanbul

Europe/Amsterdam

Europe/Paris

Europe/London

America/New_York

America/Chicago

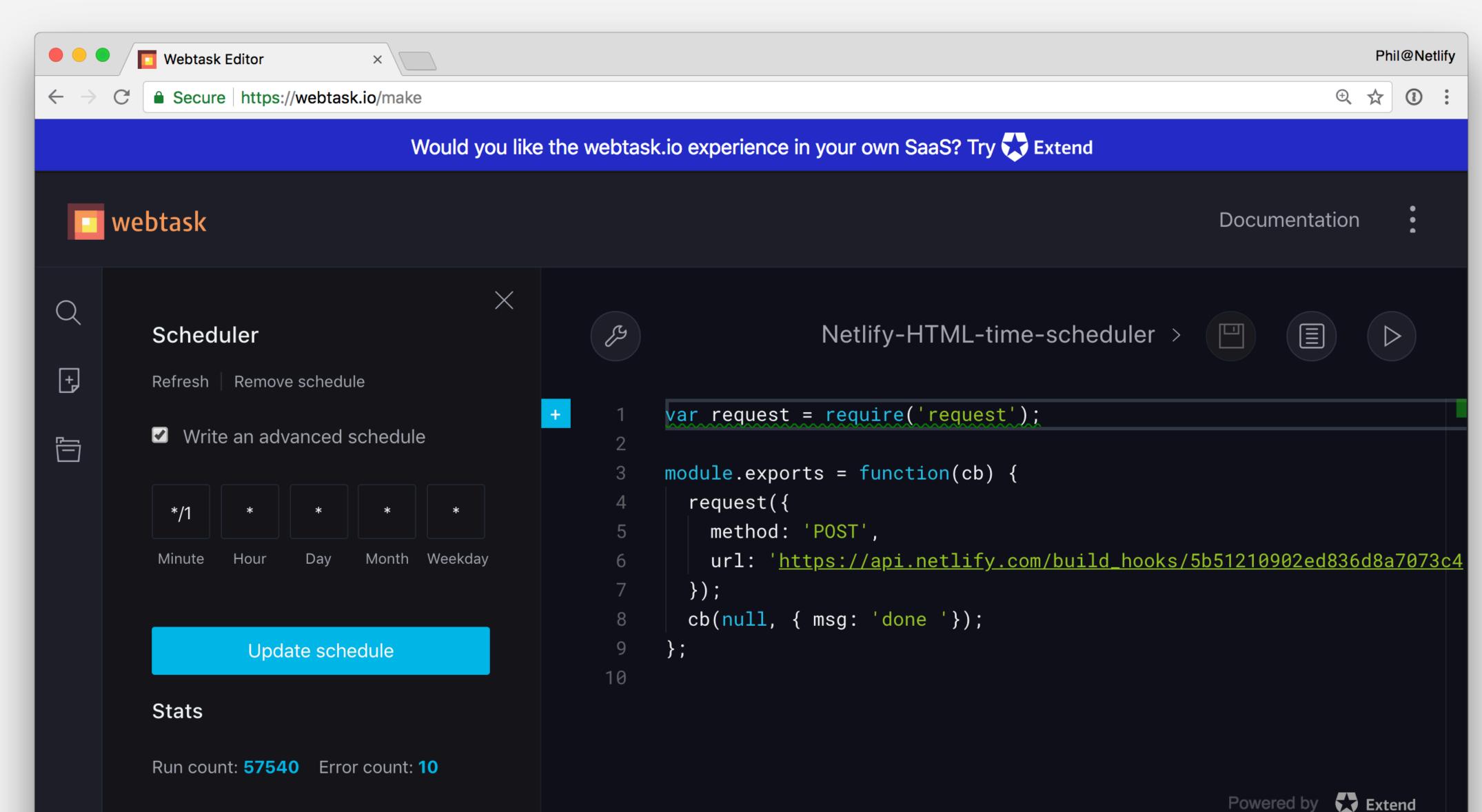
America/Denver

America/Los Angeles

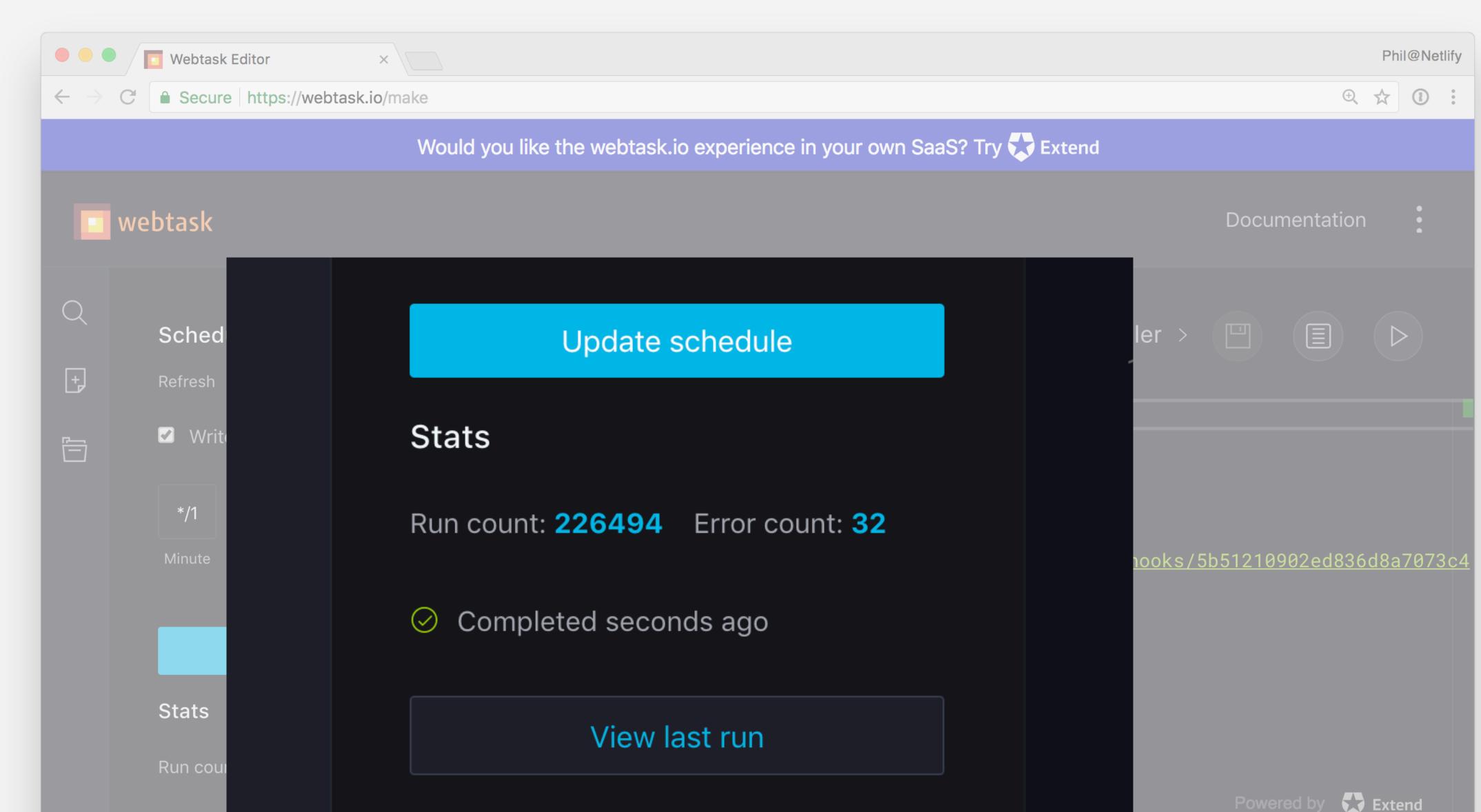


WEBSTASK.10

Events, And Hooks, And Microservices



WEBSTASK.10



netlify

UpFront Conf, 2019

EVENTS & WEBHOOKS

WEBHOOKS GIVE US A WEB-WIDE API





WEBHOOKS ARE URLS

netlify



ALEX SEXTON

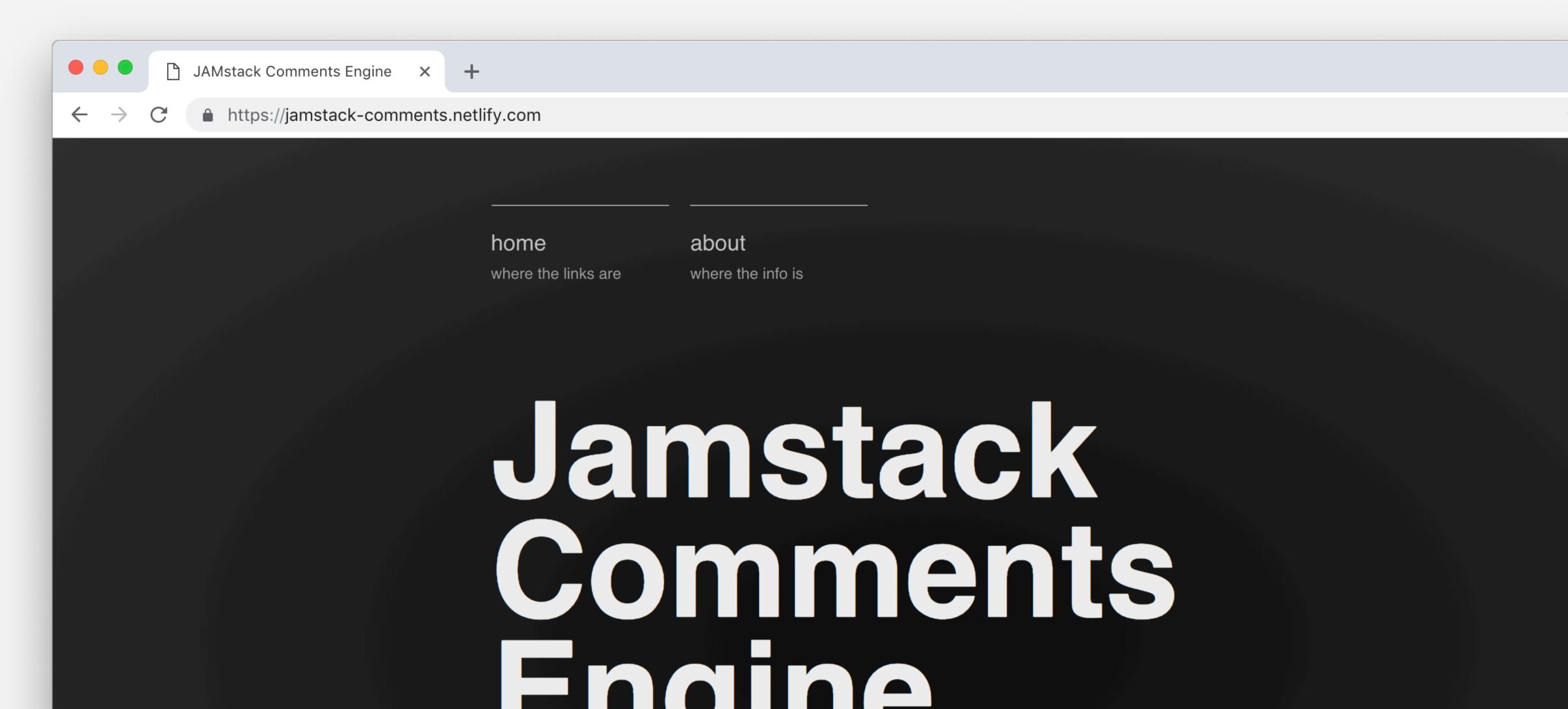


http://foobar.cor

http://foobar.cor

FINDTHAT.AT/COMMENTS

https://jamstack-comments.netlify.com









FORM API



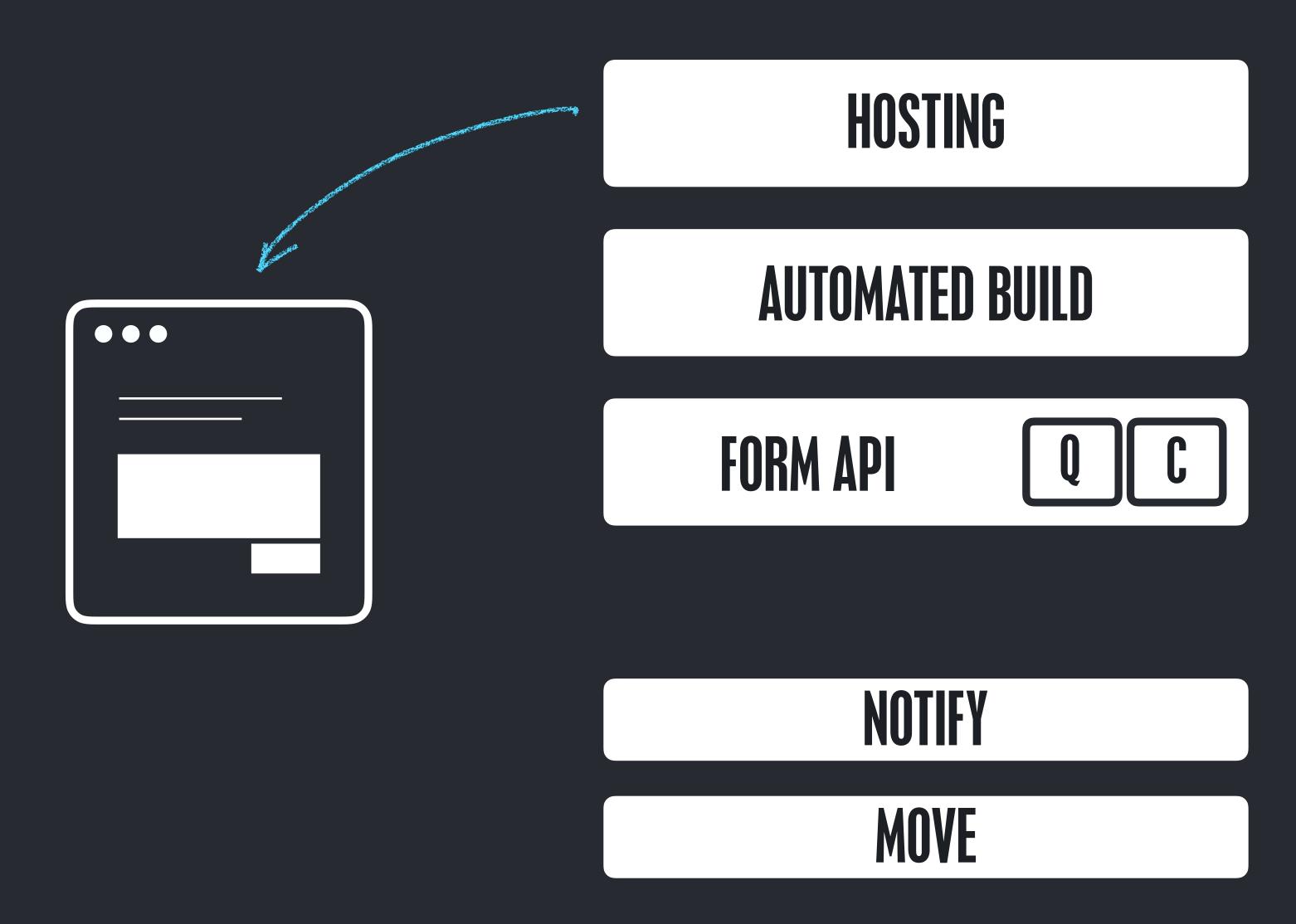




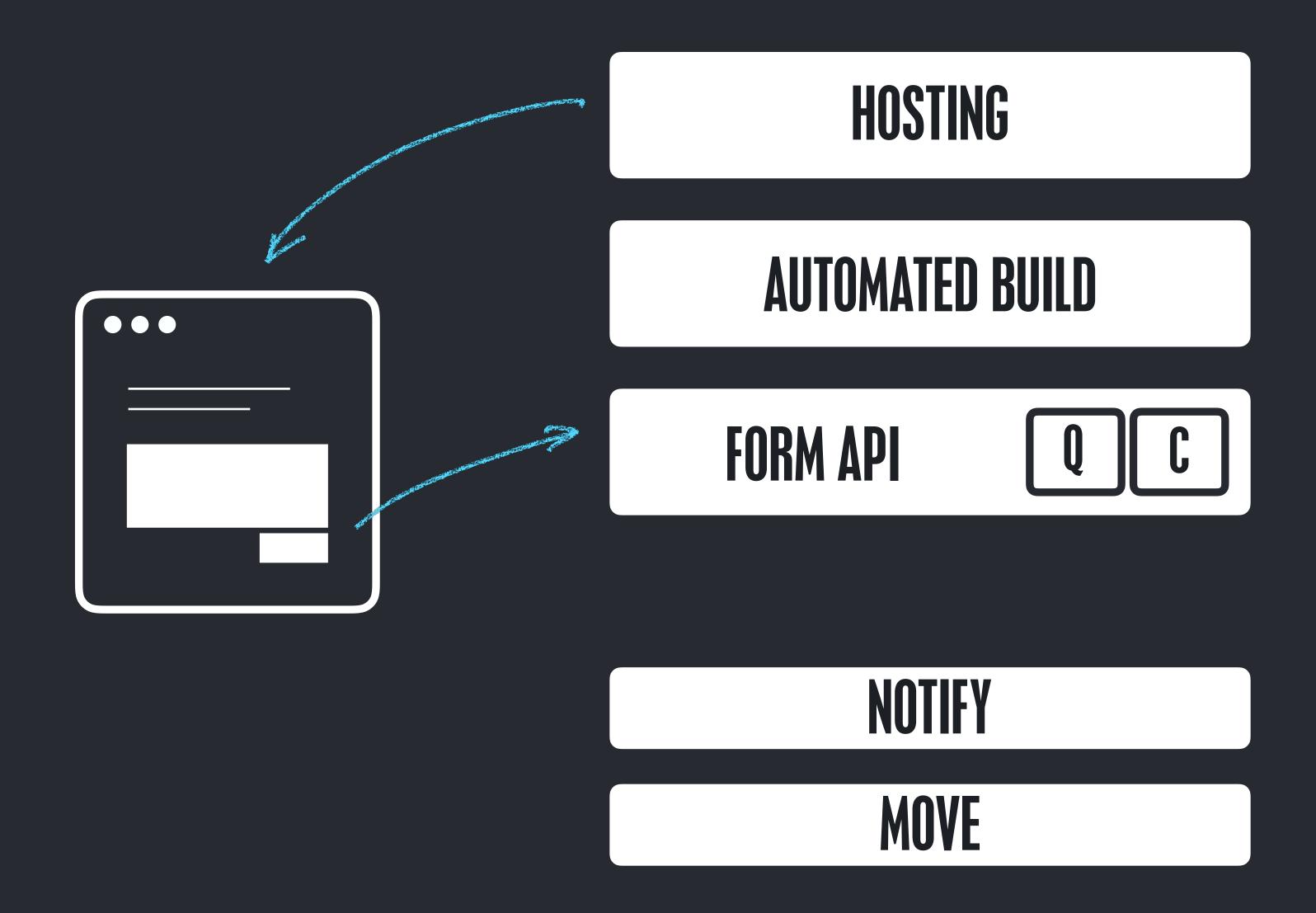
NOTIFY

MOVE

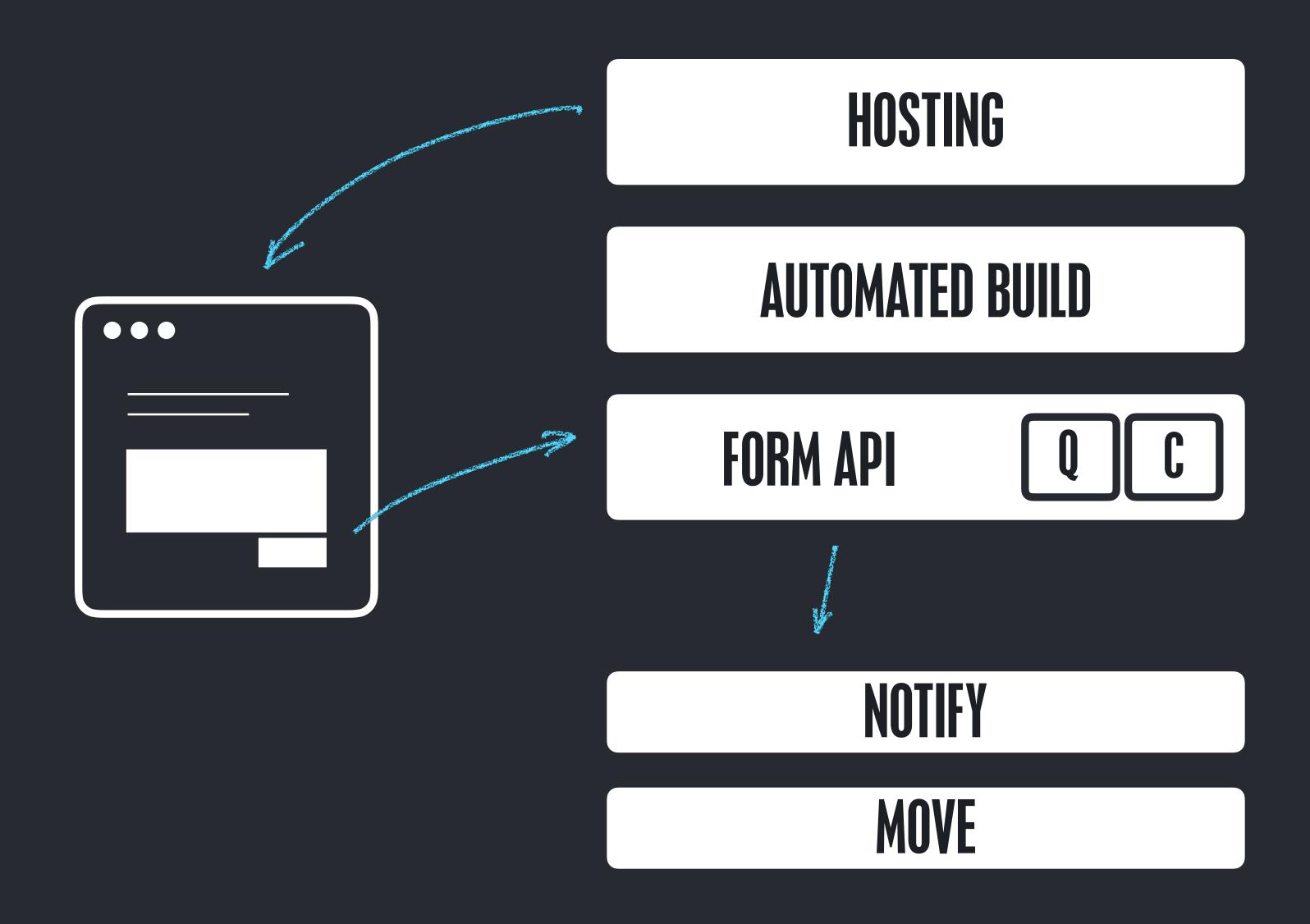




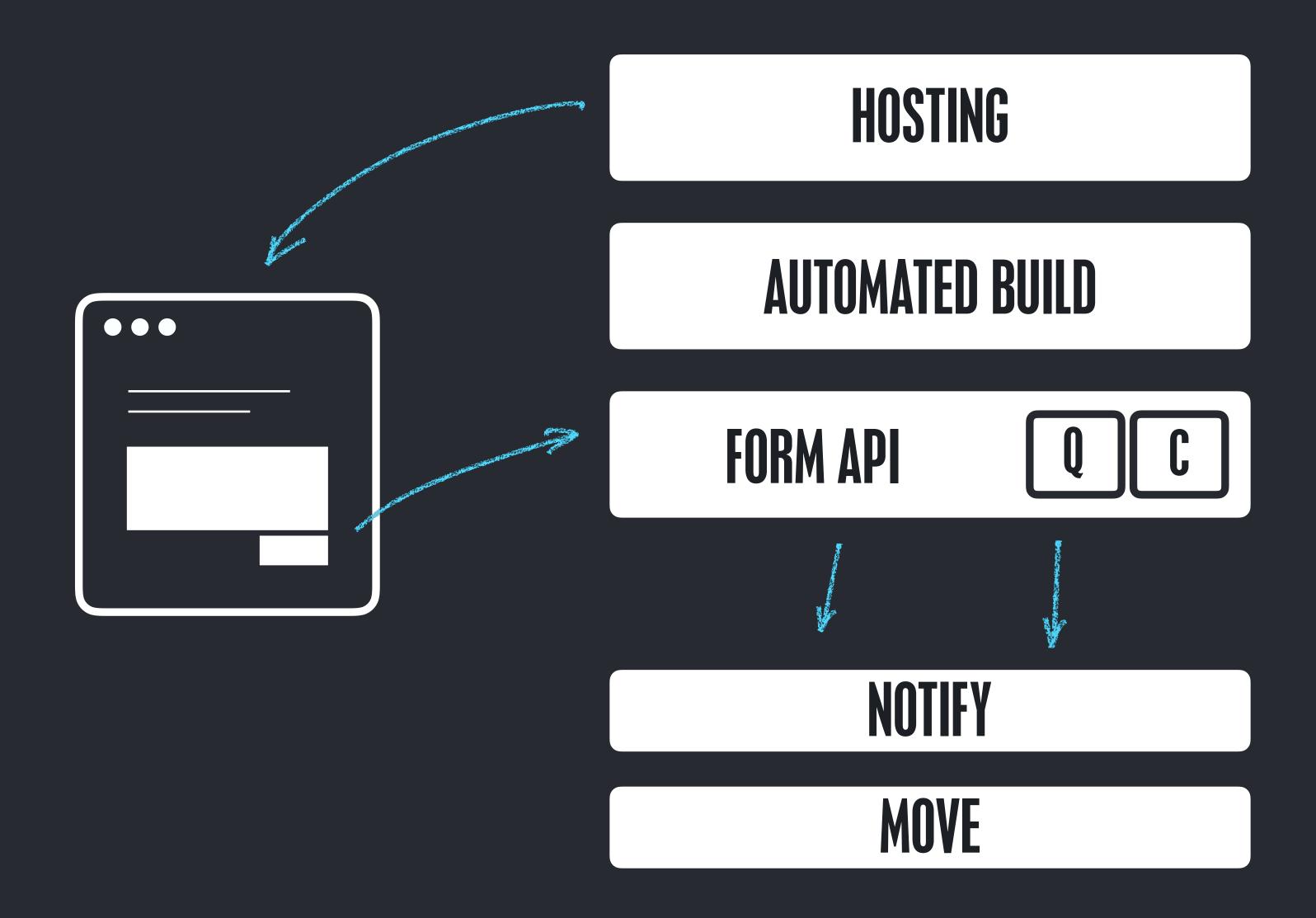




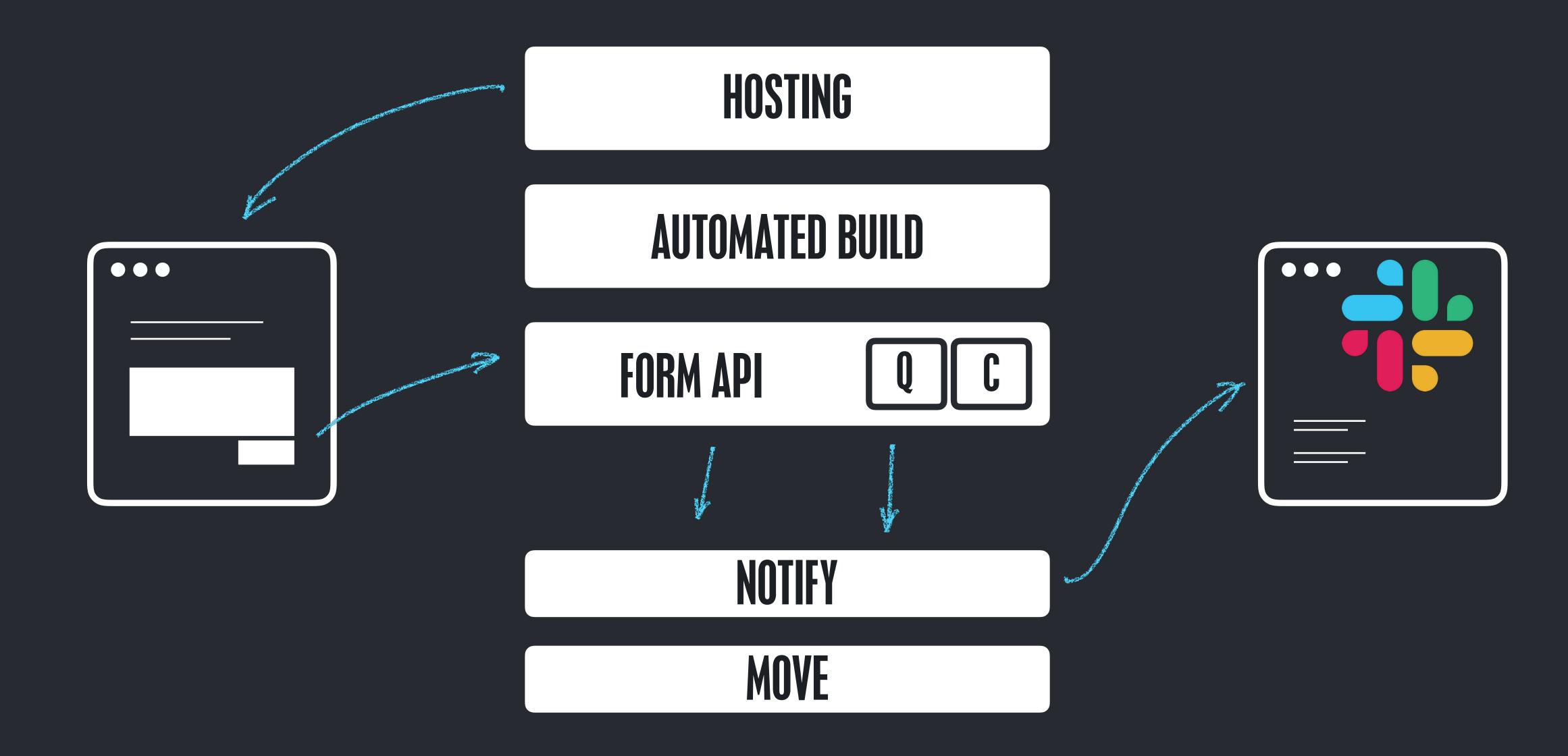


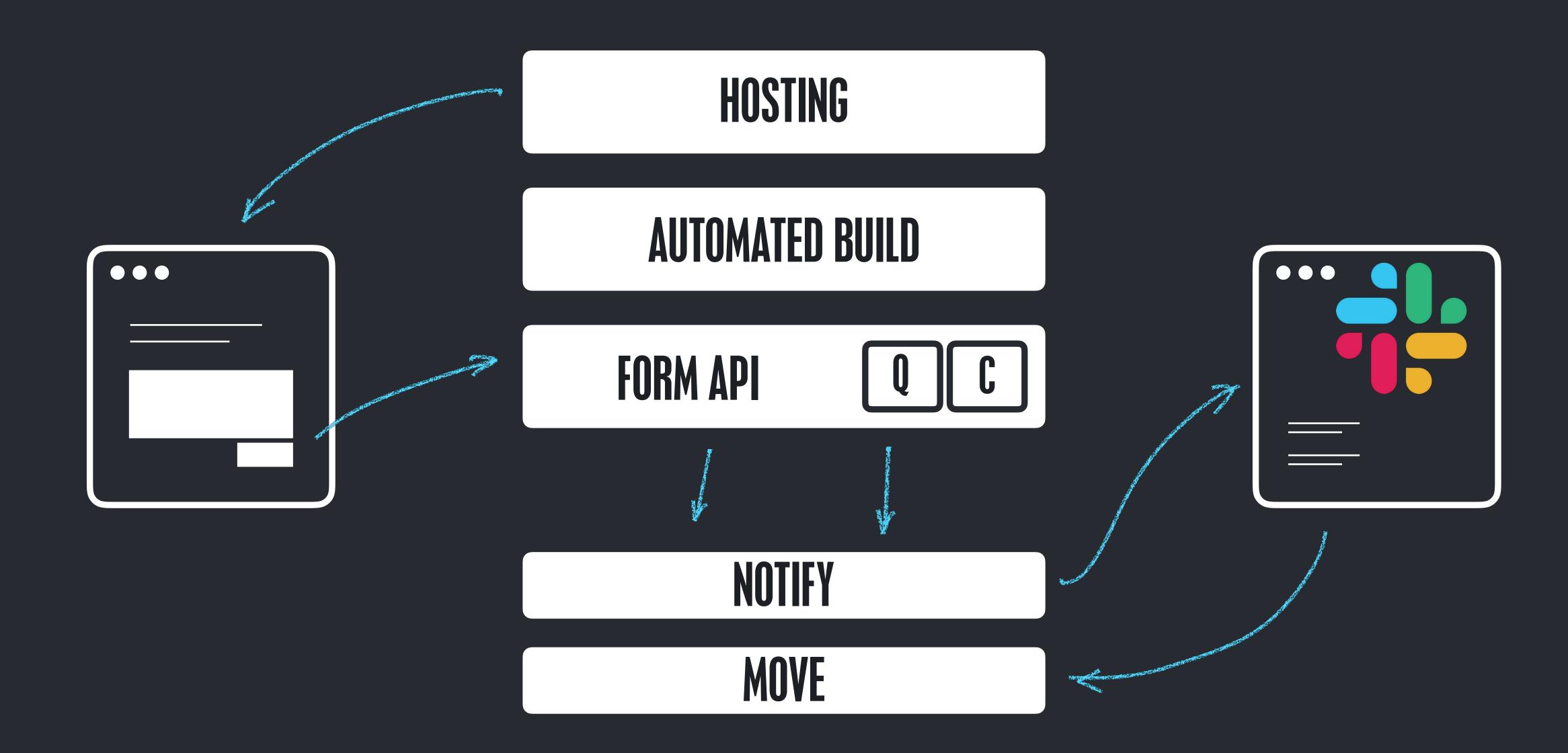




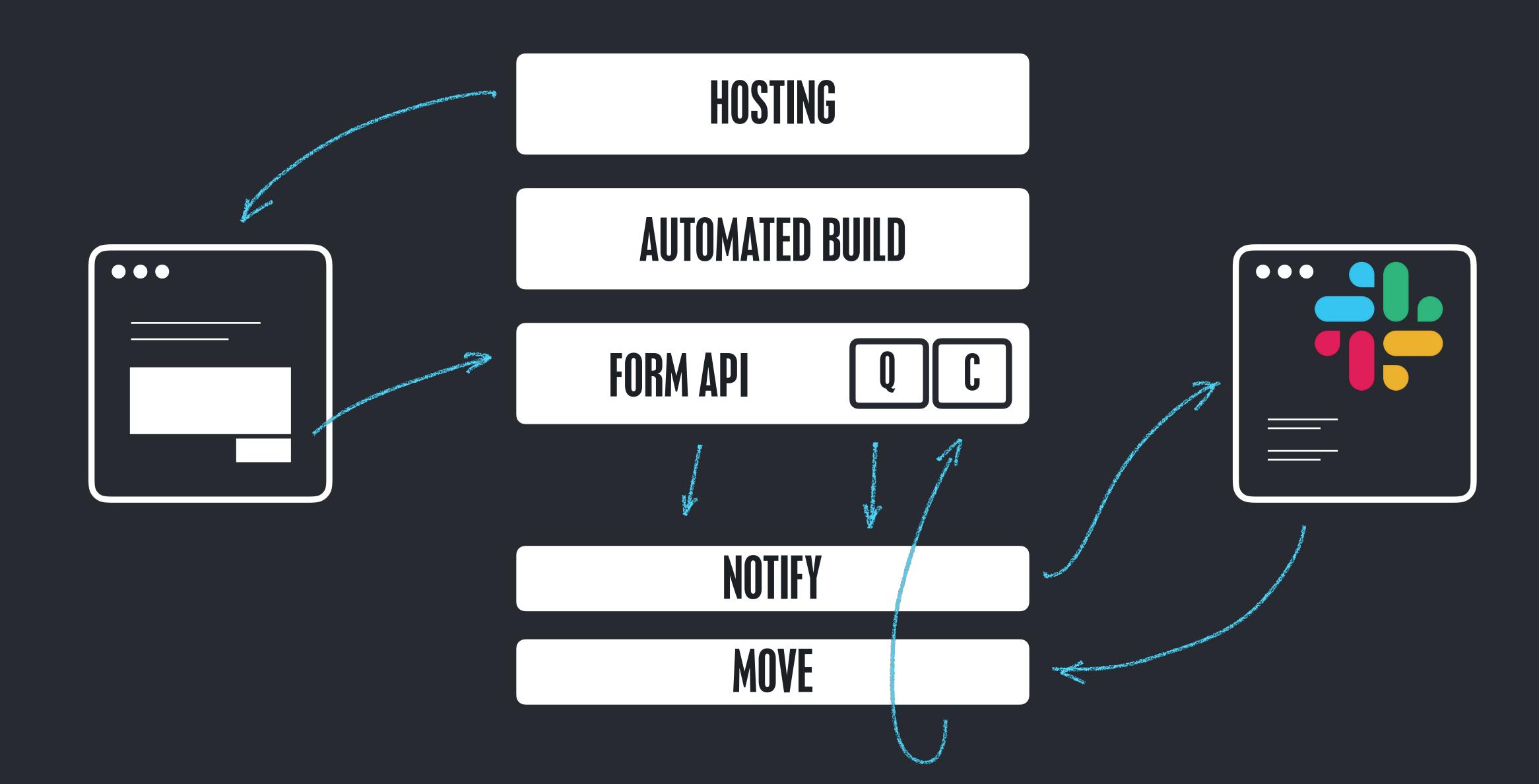


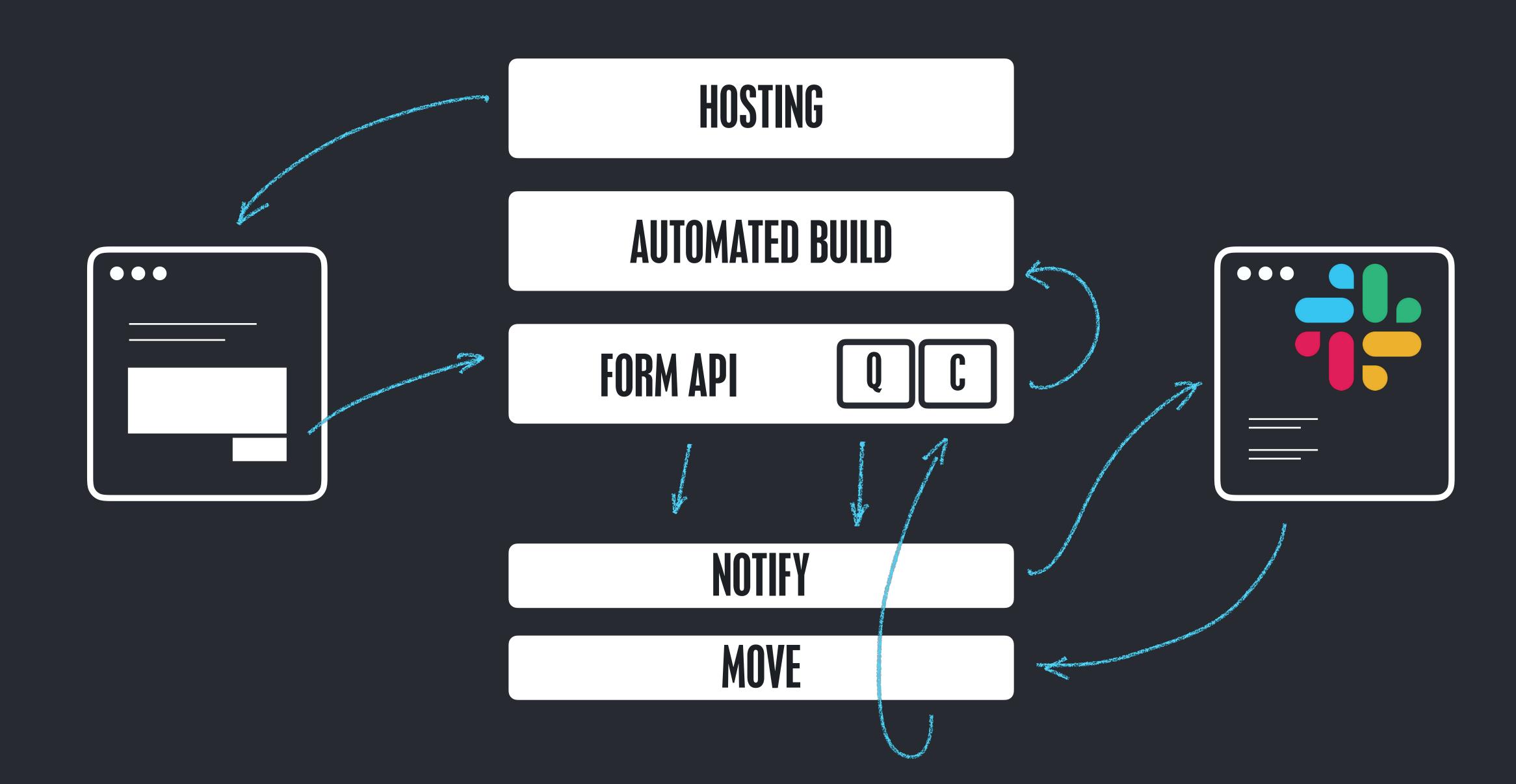


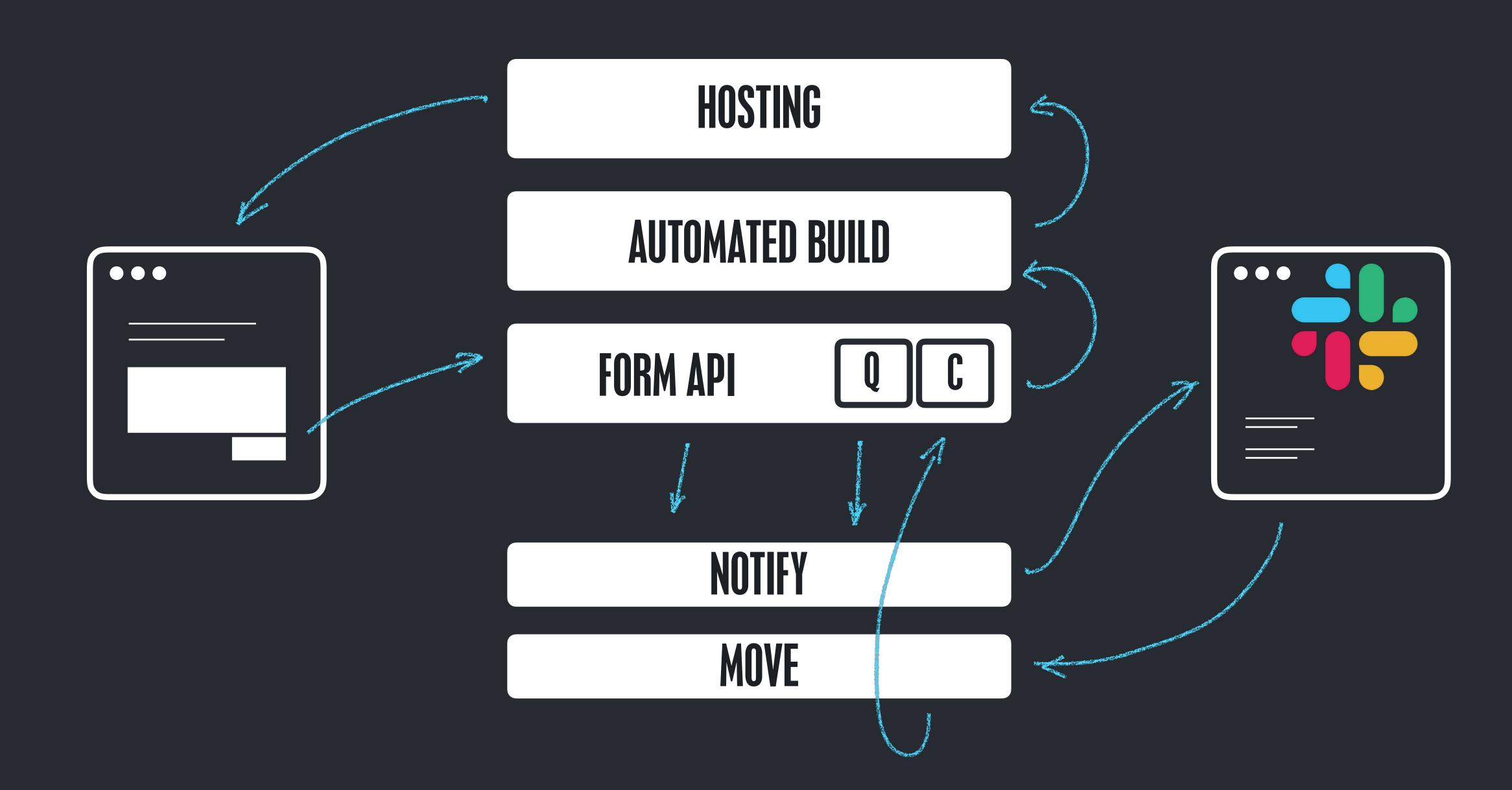


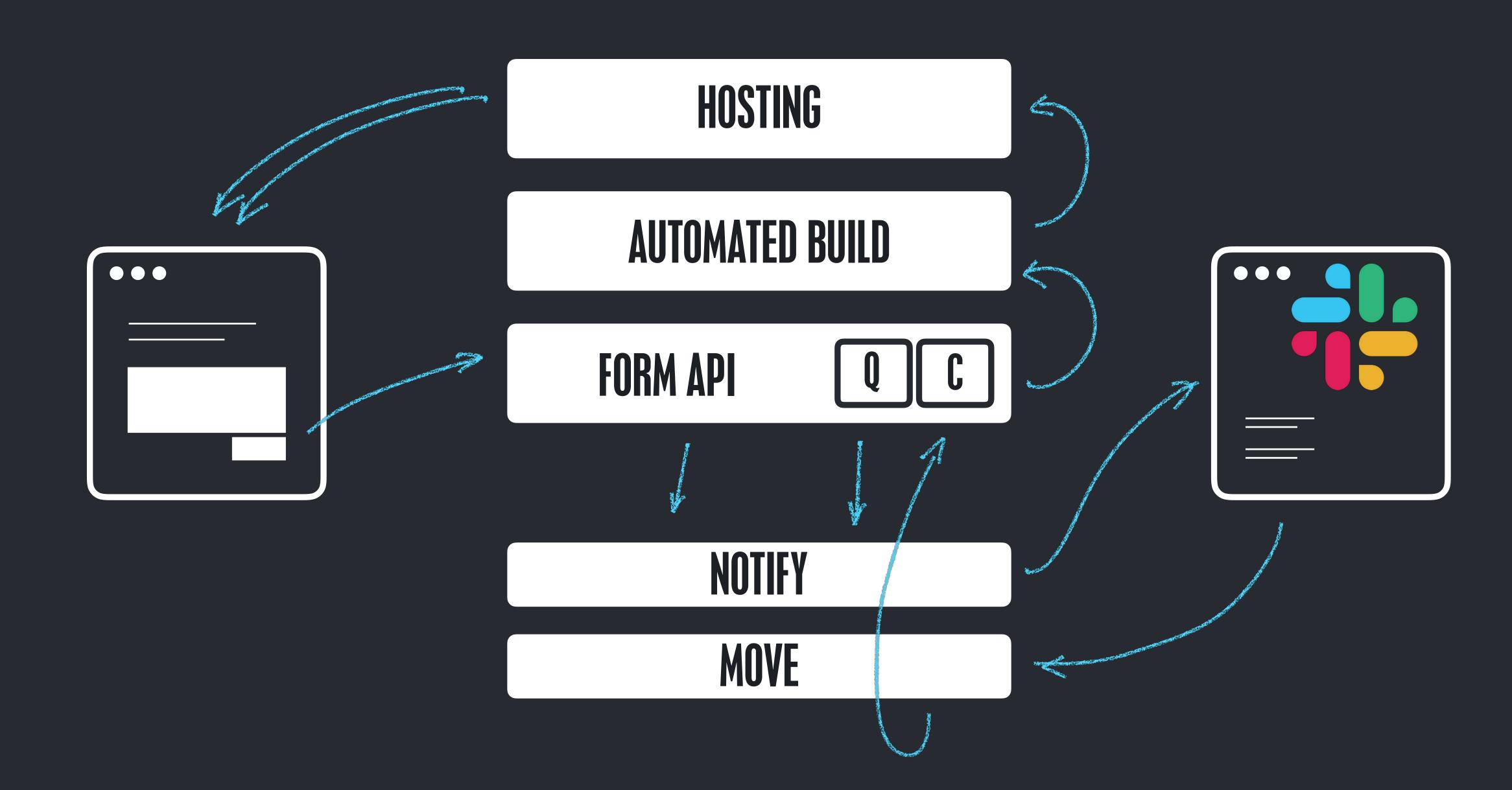


netlify







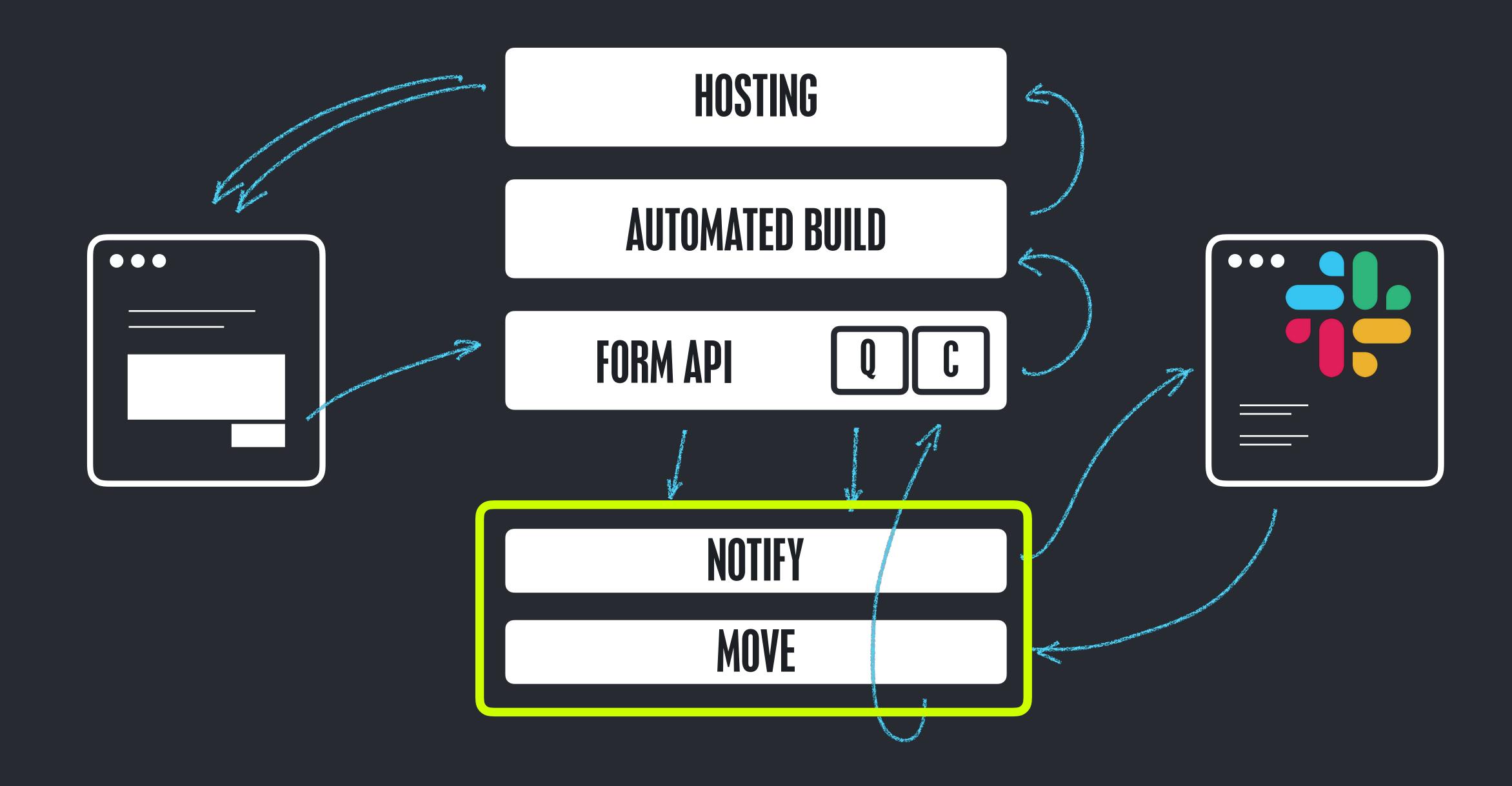




JUNE PARIS













WITH MICROSERVICES AND APIS, WE HAVE A VAST ARRAY OF BUILDING BLOCKS

WITH WEBHOOKS WE HAVE LIMITLESS OPPORTUNITIES TO COMBINE THESE BUILDING BLOCKS

WITH EVENTS AND AUTOMATION WE CAN HAVE NEW LEVELS OF CONFIDENCE AND AGILITY

WE HAVE MORE POWER THAN EVER BEFORE





SERVERLESS EXAMPLES AND TUTORIALS

FUNCTIONS.NETLIFY.COM

TOOLS, SERVICES, VENDORS THEPOWEROFSERVERLESS.INFO

COMMENT ENGINE
JAMSTACK-COMMENTS.NETLIFY.COM

ABOUT SETYOURWATCH

NETLIFY.COM/BLOG/2018/08/02/EXPLORING-THE-POTENTIAL-OF-FRICTION-FREE-DEPLOYMENTS

FINDTHAT.AT/SLIDES TWITTER.COM/PHILHAWKSWORTH

PHIL HAWKSWORTH O SE