PROMOTING PERFORMANCE FROM THE GROUND UP









REALTINE FINANCIAL DATA

netlify | Performance from the ground up | Webconf,

ebconf, Hong Kong, 2018

18 @phi

REALTINE FINANCIAL DATA



Performance from the ground up

Webconf, Hong Kong, 2018

@philhawksworth

REALME FINANCIA DATA



SHPPING INSURANCE



SHPPING INSURANCE



@philhawksworth





R/GA

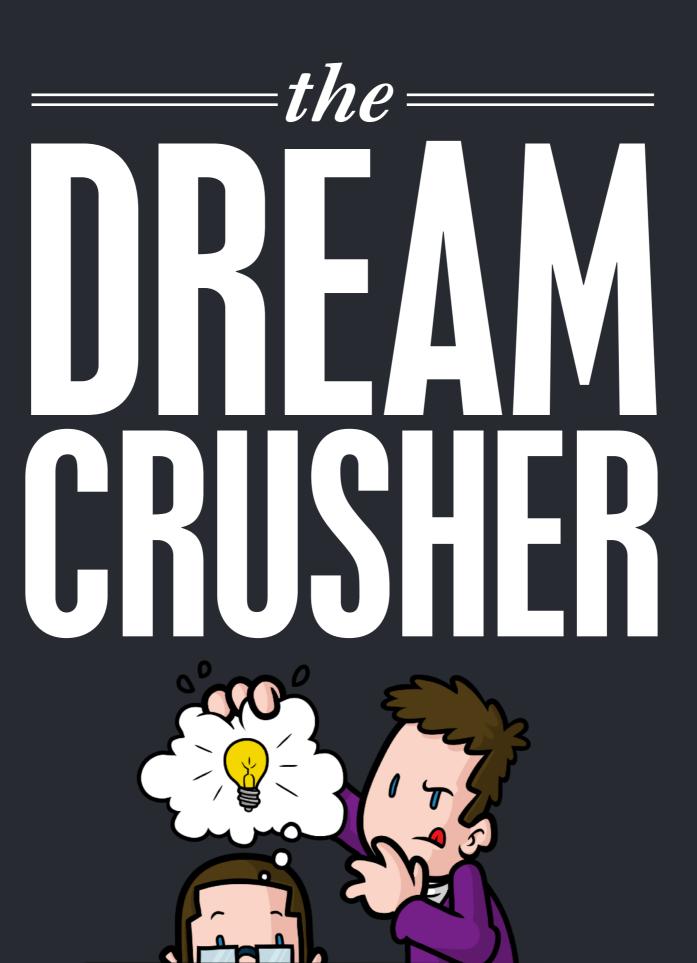


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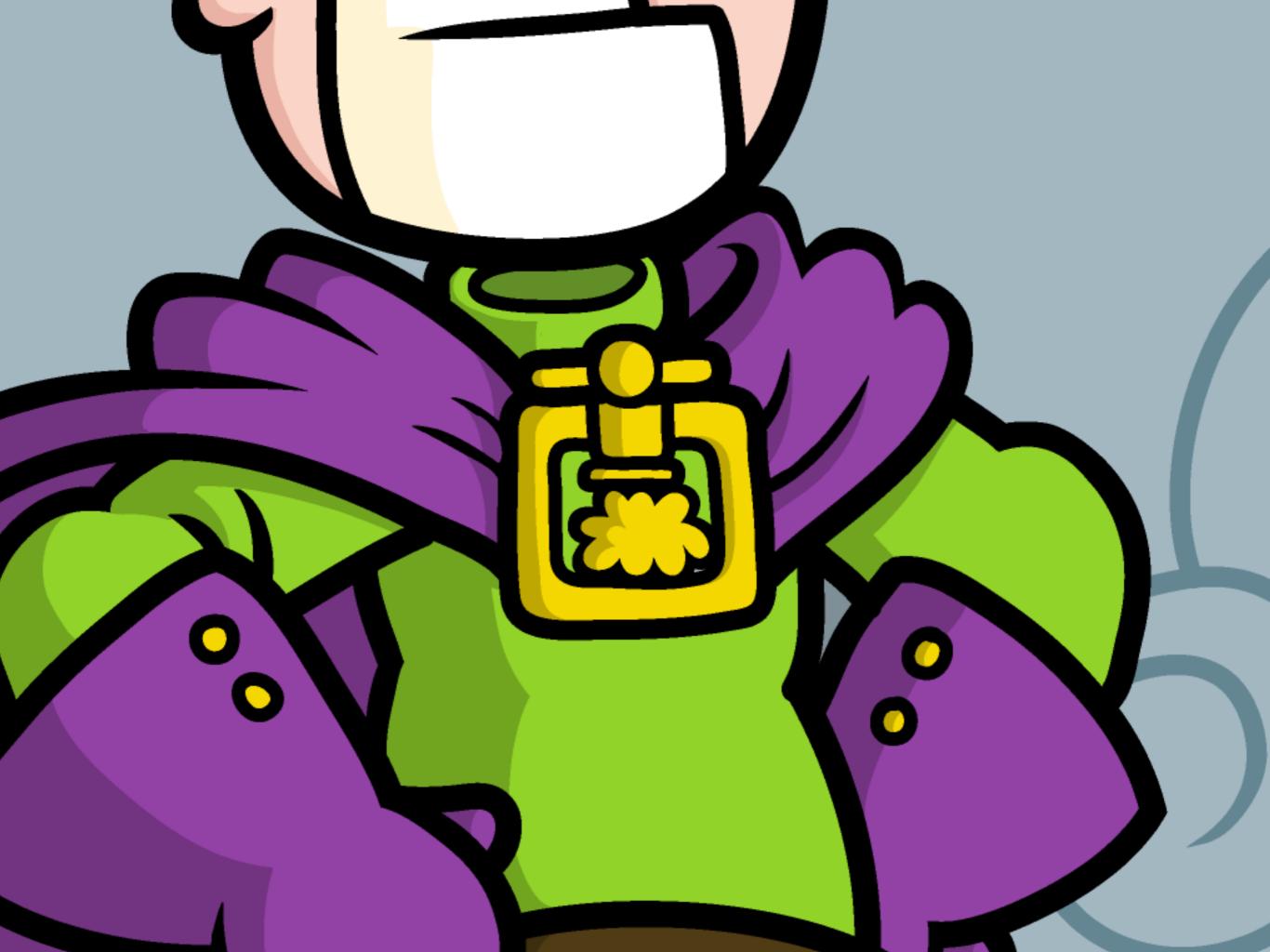




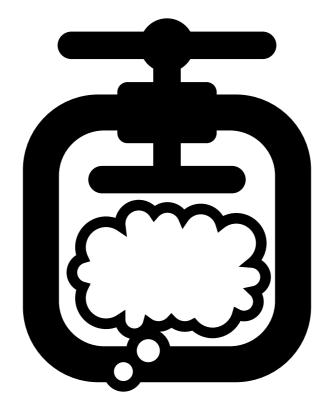












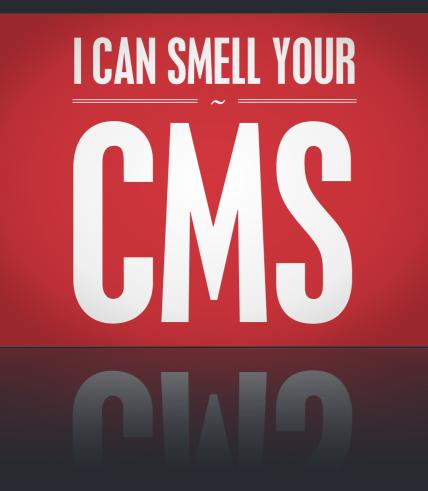


NARDE THINES



MY TRACK RECORD





Alex .

STATIC SITES GO ALL HOLLYWOOD FRONTEERS, AMSTERDAM, 2015

Series

@PHILHAWKSWORTH



SO, FOR THIS TALK



TIME TO JAZZ IT UP

PROMOTING PERFORMANCE FROM THE GROUND UP

MAKING PLATFORMS & PROCESSES PROMOTE PERFORMANCE

MAKING PLATFORMS & PROCESSES PROMOTE PERFORMANCE



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EXOTIC OR NEW



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FUNDAMENTALS



WE LEARN A LOT AT CONFERENCES 12 talks!



@philhawksworth

CONFINING THESE LEARNINGS TO THEORY IS A WASTE



CONFINING THESE LEARNINGS TO OUR LOCAL ENVIRONMENTS IS A WASTE



LET'S MAKE SURE THE GOOD STUFF REACHES YOUR USERS



DESIGNING FOR PERFORMANCE — Lara Hogan



DESIGNING INFRASTRUCTURE FOR PERFORMANCE



DESIGNING DEPLOYMENTS INFRASTRUCTURE FOR PERFORMANCE



DESIGNING PROCESSES DEPLOYMENTS INFRASTRUCTURE FOR PERFORMANCE



DESIGNING MINDSET PROCESSES DEPLOYMENTS INFRASTRUCTURE FOR PERFORMANCE











OH GREAT... 40 MINUTES OF SLIDES ABOUT PROCESS

ALL OF YOU, RIGHT NOW



FOR THE NEXT 40 MINUTES OR SO

/ WHERE DOES IT HURT? / 3 STORIES / MINDSETS AND RESOURCES



FOR THE NEXT 40 MINUTES OR SO

/ WHERE DOES IT HURT? / 3 STORIES / MINDSETS AND RESOURCES



WHERE DOES IT HURT?



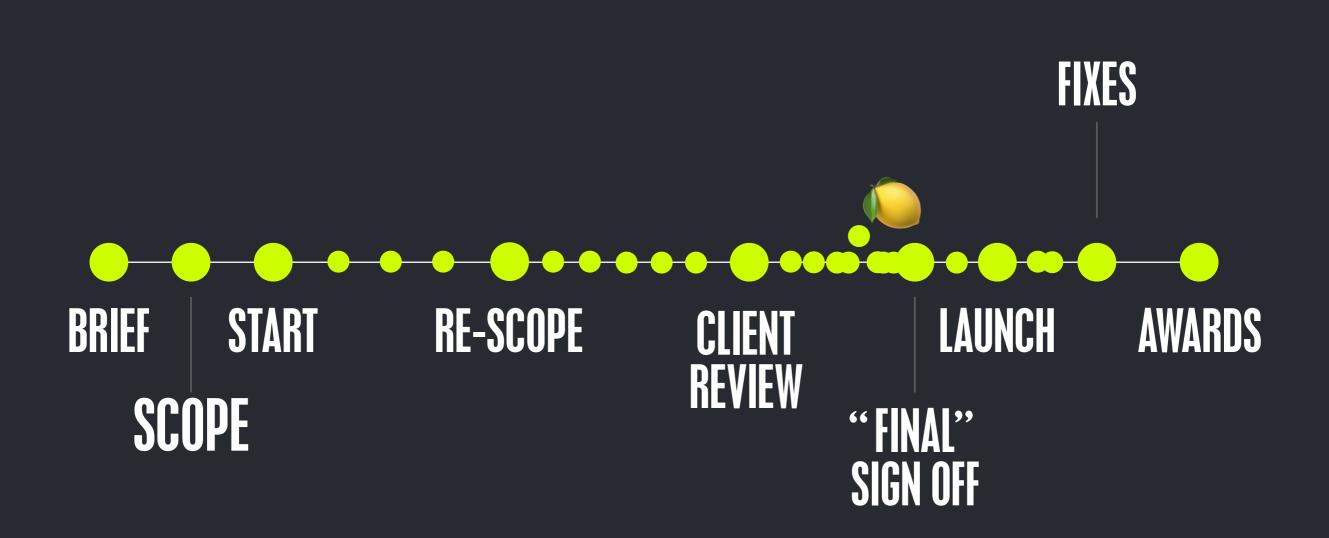
PROJECTS USUALLY INVOLVE CLIENTS / DEADLINES / COMPLEXITY



SLEEPLESS NIGHTS



THE **NEW PROJECT TIMELINE**











@philhawksworth

NEWSFLASH PROJECTS CAN BE HARD



PROJECTS USUALLY INVOLVE LEARNING



@philhawksworth

PROJECTS USUALLY INVOLVE CHANGE



INFRASTRUCTURE



OUR EVOLVING APPROACH TO INFRASTRUCTURE





NEW DEPLOYMENT CONVENTIONS







THIS IS WHERE IT HURTS MANAGING CHANGE / UNKNOWABLE



THIS IS WHERE IT HURTS AT CRUNCH TIME, AS THE PRESSURE MOUNTS



FOR THE NEXT 40 MINUTES OR SO / WHERE DOES IT HURT? / 3 STORIES / MINDSETS AND RESOURCES







A LARGE NATIONWIDE HEALTHCARE SITE



IT SHOULD HAVE GONE LIVE ON FRIDAY





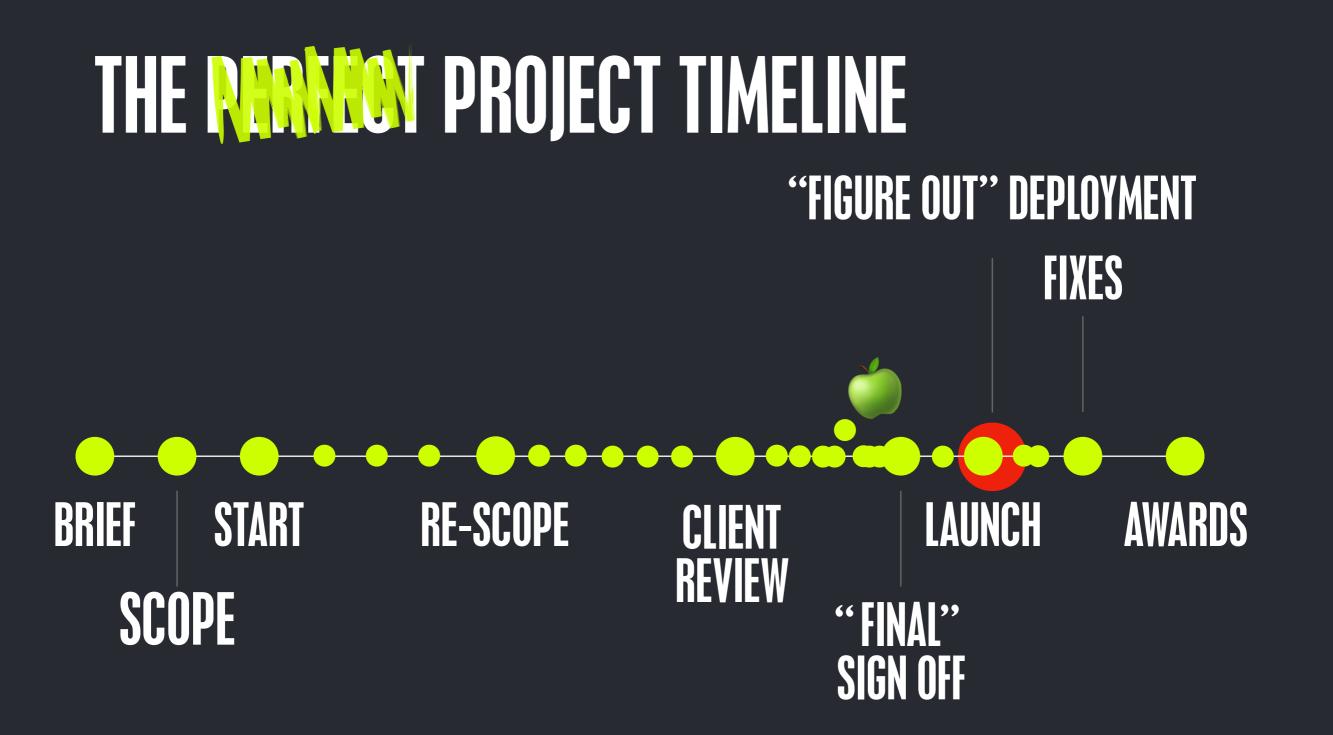




CAN YOU HELP THE TEAM FIGURE OUT THE DEPLOYMENT?



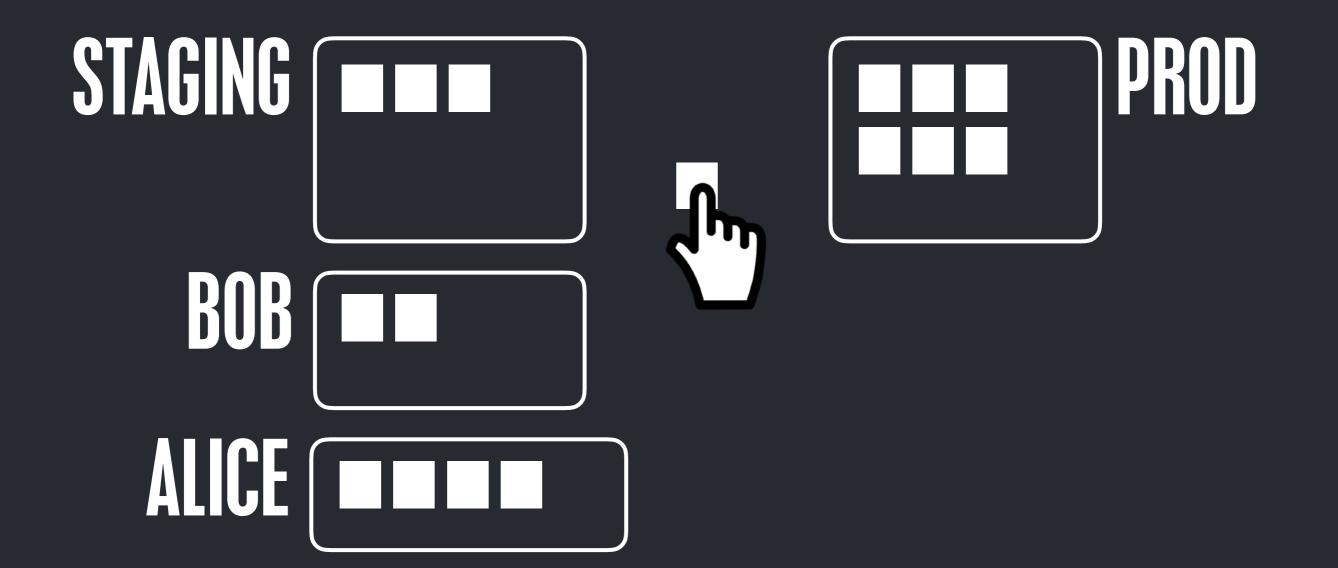






THE DEPLOYMENT







@philhawksworth

FFFFFFFFFFF



UNKNOWABLE STATE



UNREPEATABLE PROCESS



DID IT GO LIVE?

WAS IT CORRECT?

YES, IT DID

YES. PROBABLY. Honestly, I don't think We can every really Know for sure



HOW DID THE NEXT DEPLOYMENT GO?

DO YOU NEED A HUG?

I'M NOT READY TO TALK ABOUT THAT

YES. YES I DO





Jessons VERSION CONTROL SHOULD **EXTEND TO YOUR DEPLOYMENTS**

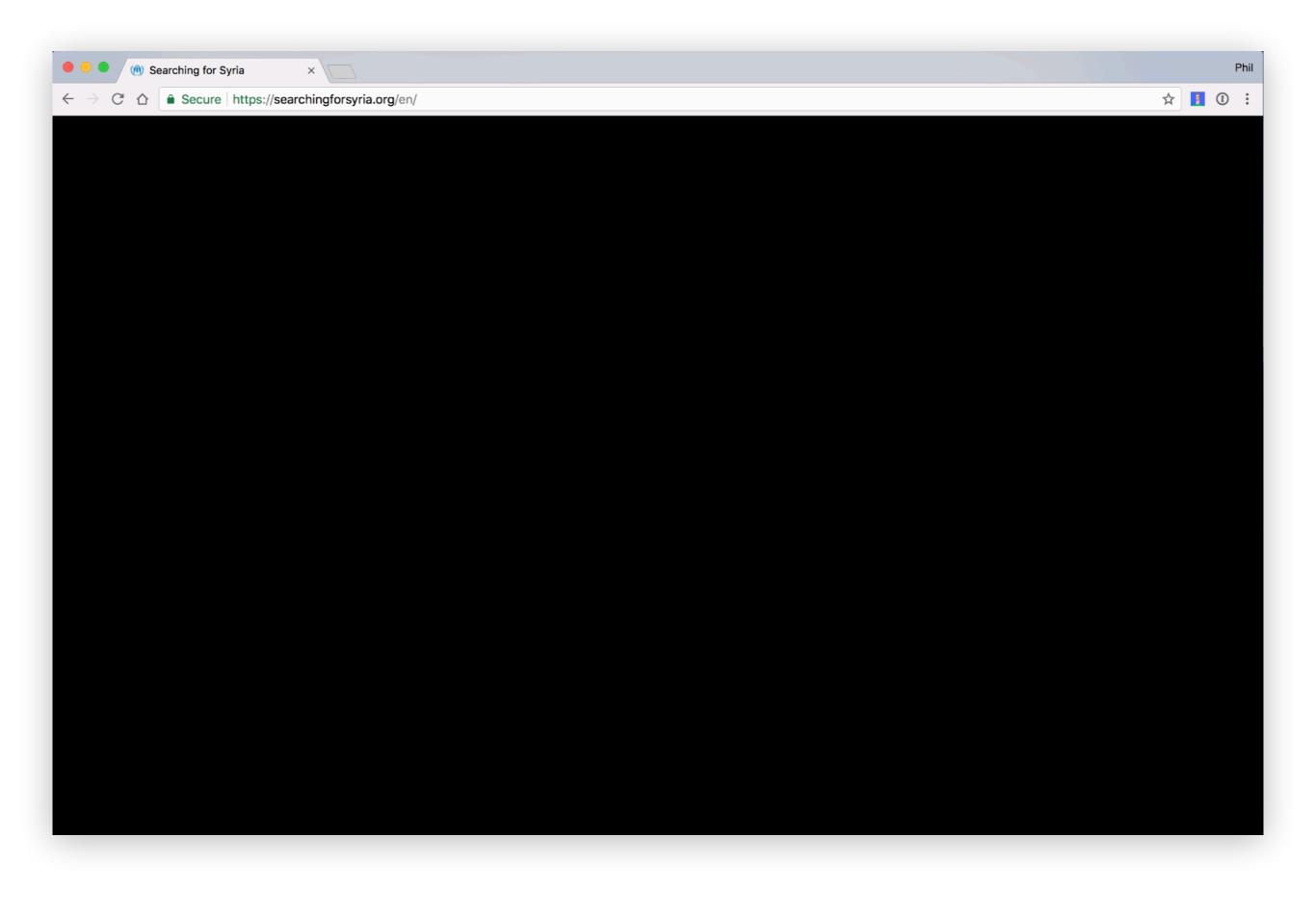
HUMAN INTERVENTION IN **DEPLOYMENTS IS** UNDESIRABLE

HOLISTIC DEPLOYS ARE PREFERABLE **TO PIECEMEAL DEPLOYS**











@philhawksworth

LOTS OF CHANGE



SIGNIFICANT POLITICAL SENSITIVITY

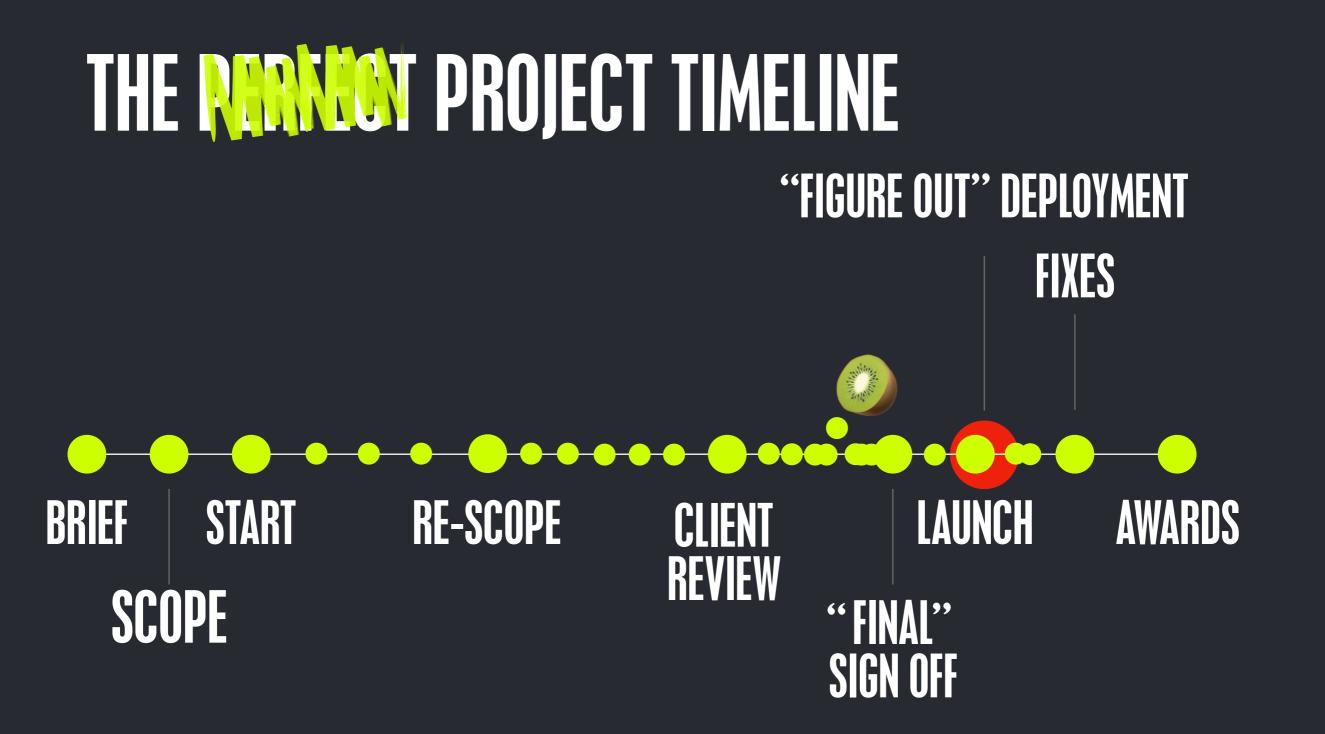


GREATER STAKEHOLDER DIVERSITY



A GLOBAL LAUNCH











DELIVERIES



DELIVER to QA



DELIVER 10 PRODUCERS



DELIVER for TRANSLATIONS TEAMS



DELIVER is THE CLIENT



DELIVER THE CLIENT'S BOSSES



DELIVER is THE PUBLIC









VERSION CONTROL



TAGS SHOULD CREATE RESOURCES AT URLS











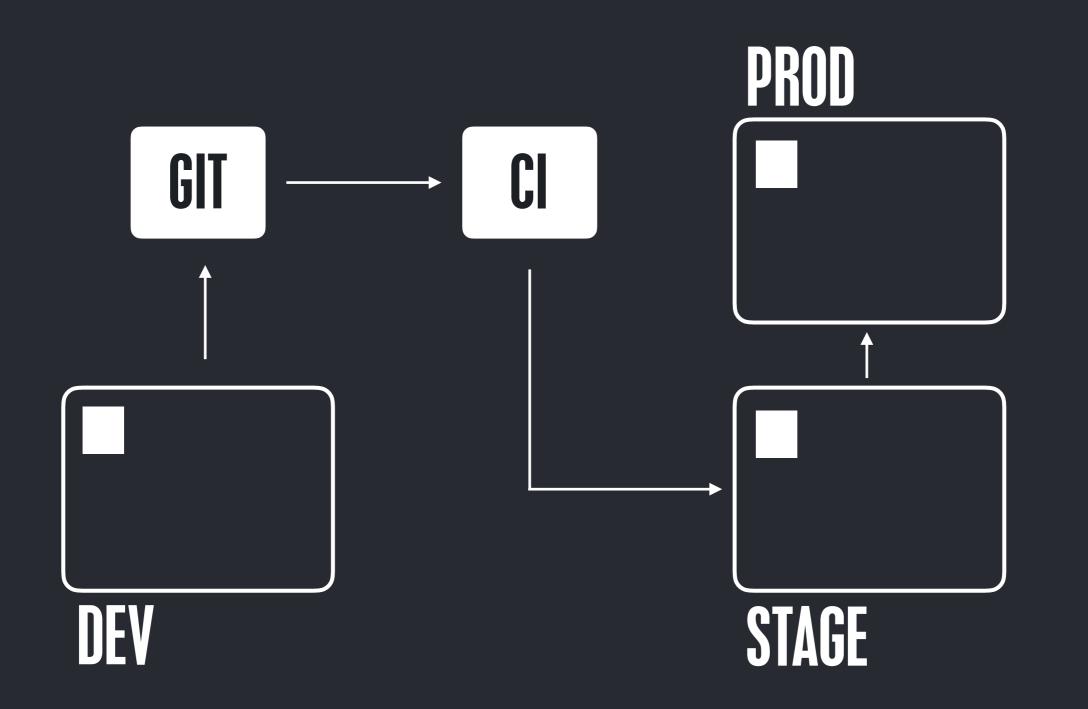


http://webconf.asia



TAGS SHOULD CREATE RESOURCES AT URLS

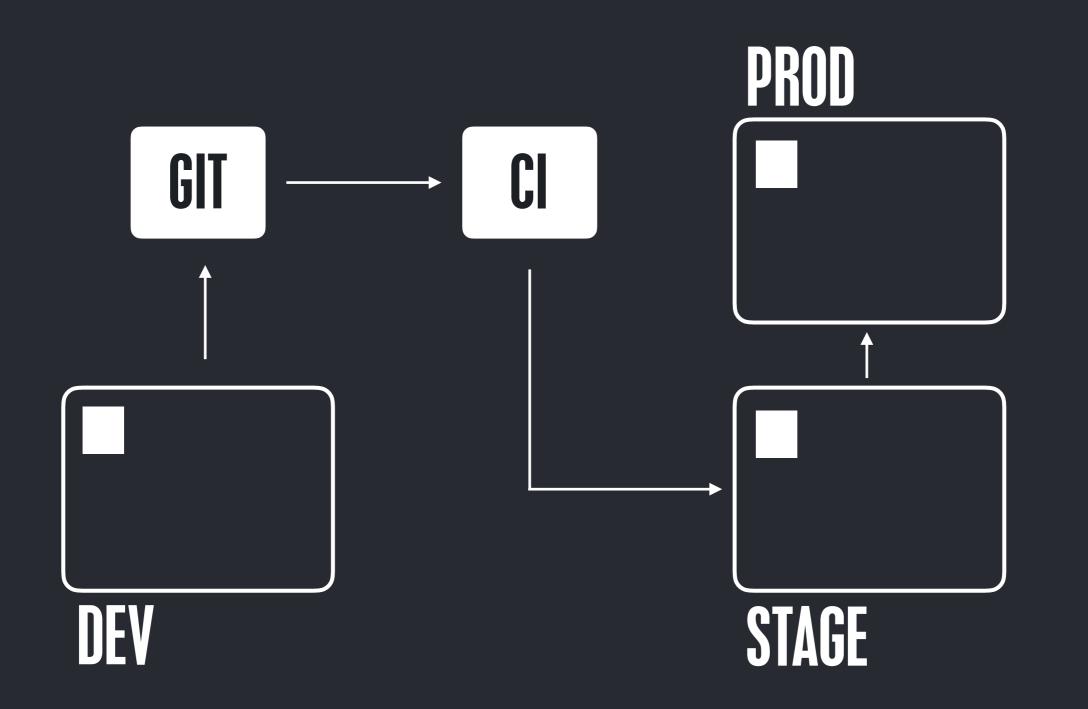




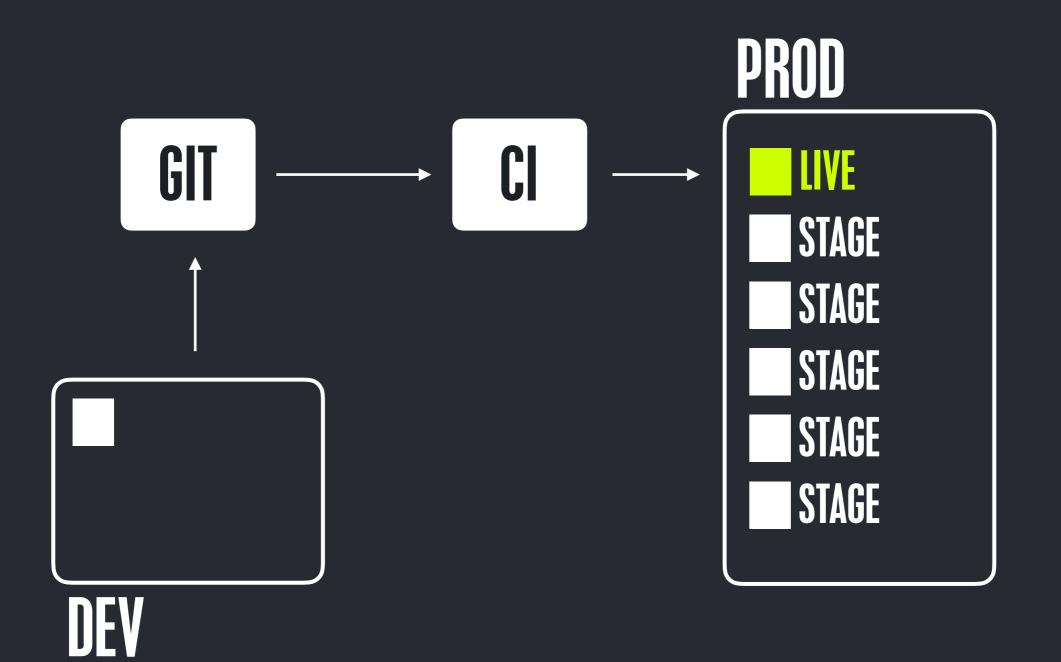


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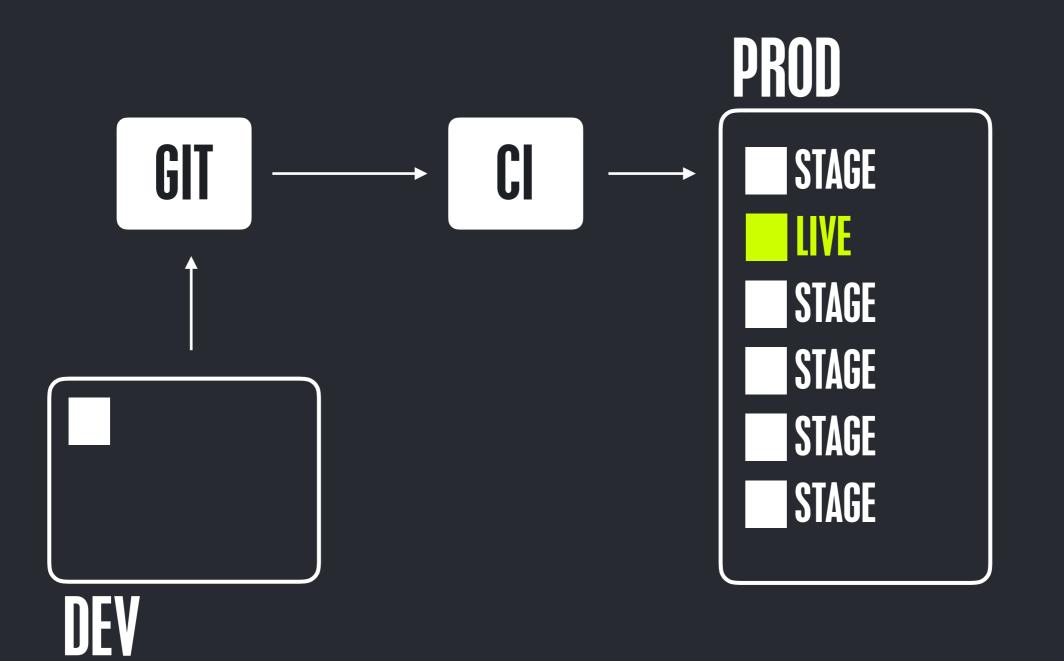














DEMOS / DISCUSSIONS TESTS / ISSUES / SIGN OFF ALL HAPPENED AGAINST **KNOWN VERSIONS**





ADDRESSABLE AND ACCESSIBLE **BUILD VERSIONS ARE A HUGE WIN**

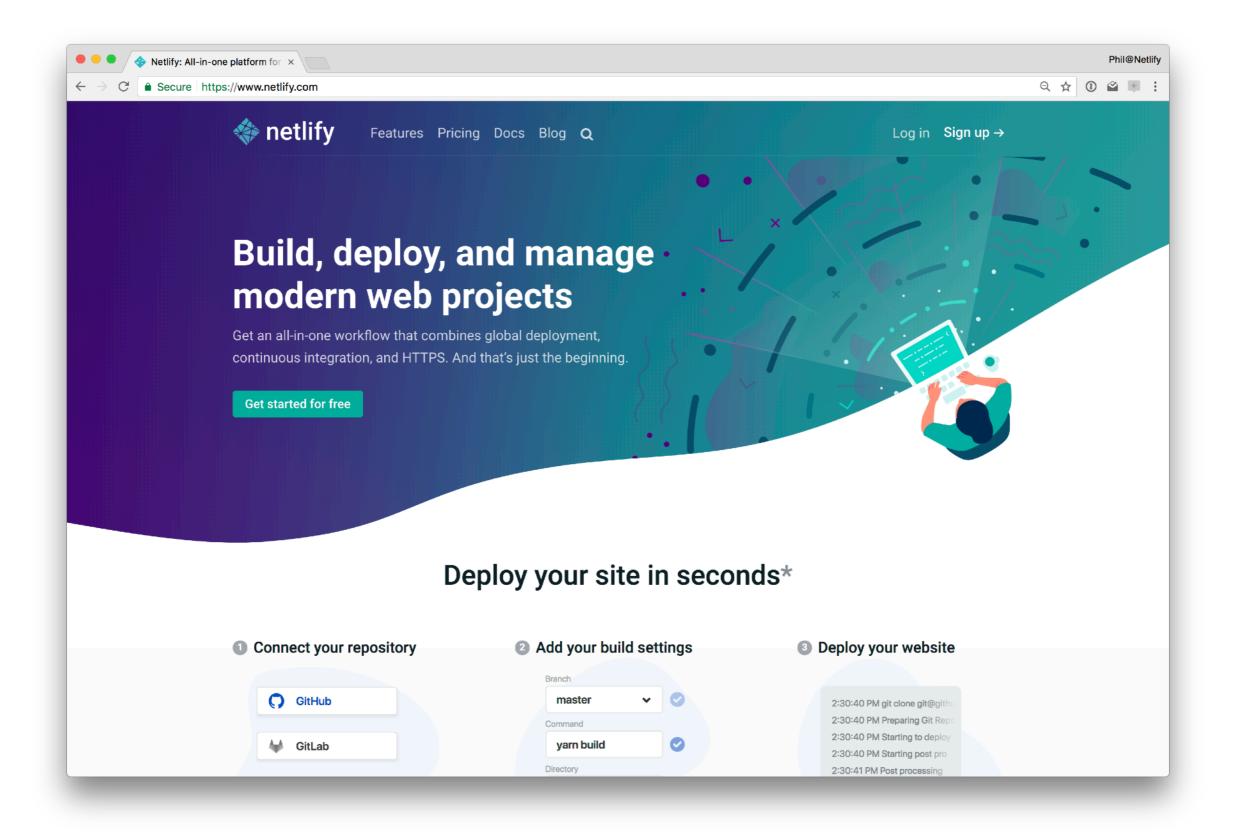
DECIDING WHEN AND WHAT TO TAG REQUIRES COORDINATION

IMMUTABLE DEPLOYS TO PROD REMOVE UNCERTAINTY FROM LAUNCH DAY





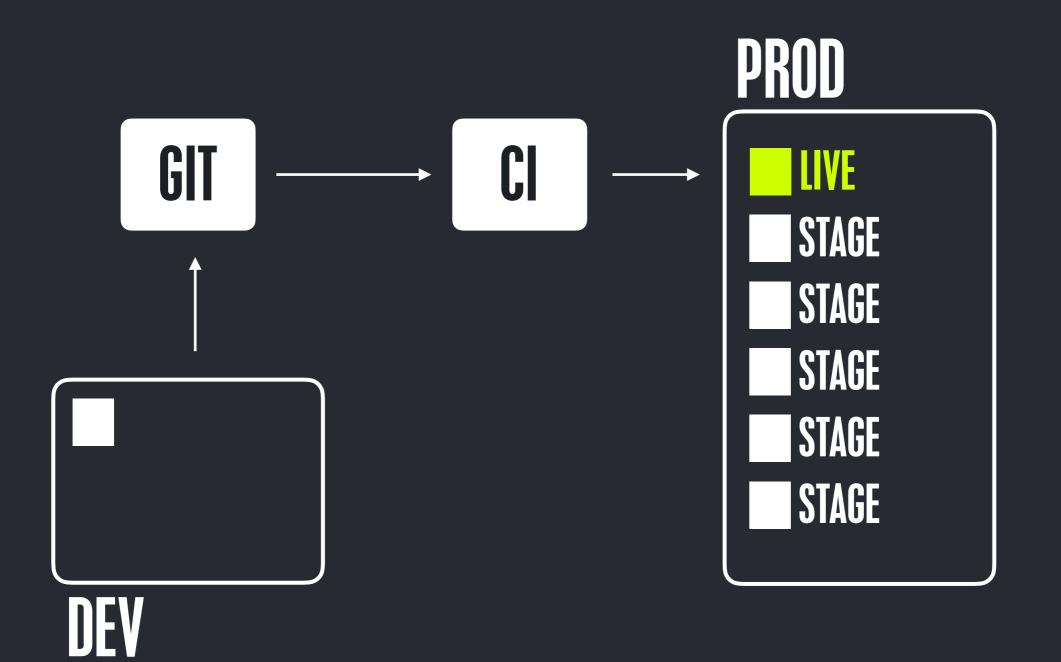




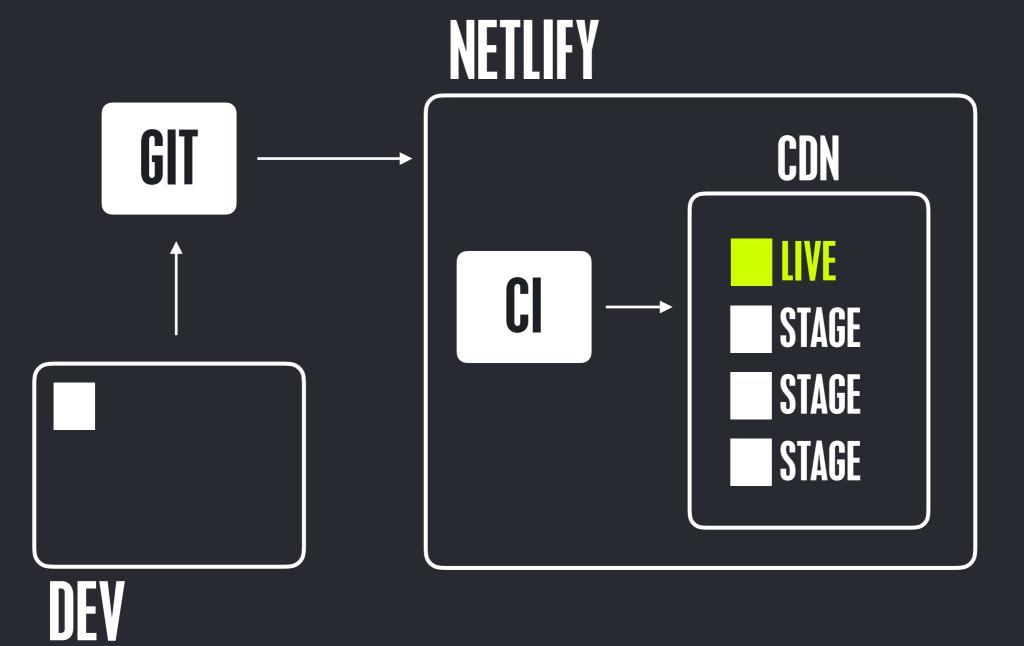


NETLIFY.COM IS A JAMSTACK SITE HOSTED ON NETLIFY USING NETLIFY TO NETLIFY NETLIFY









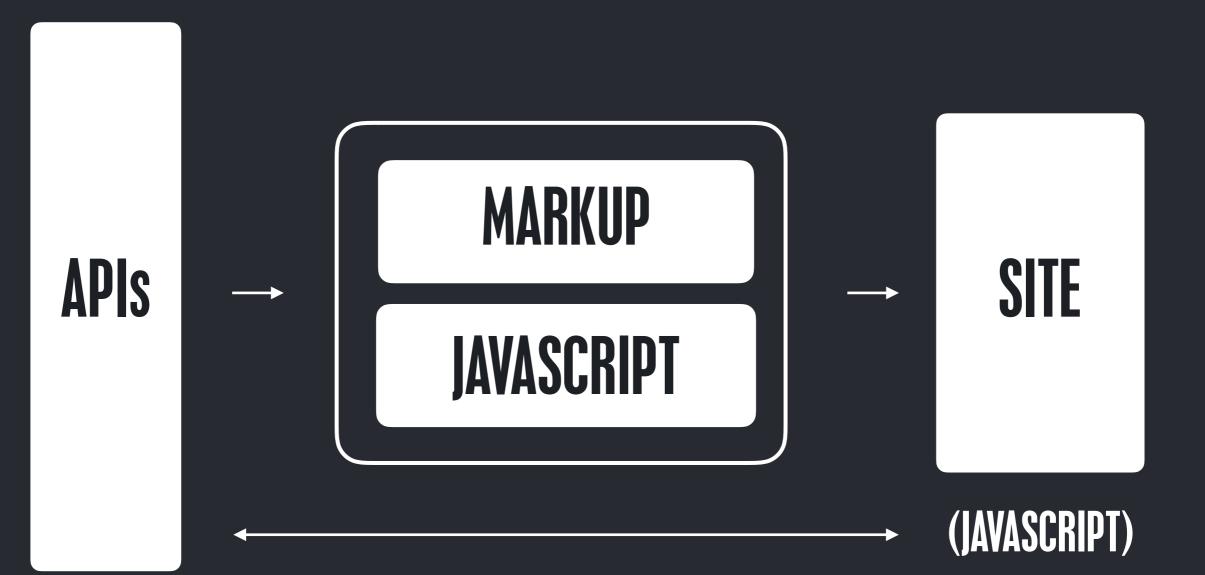


A GIT-BASED WORKFLOW ALL THE WAY TO PRODUCTION

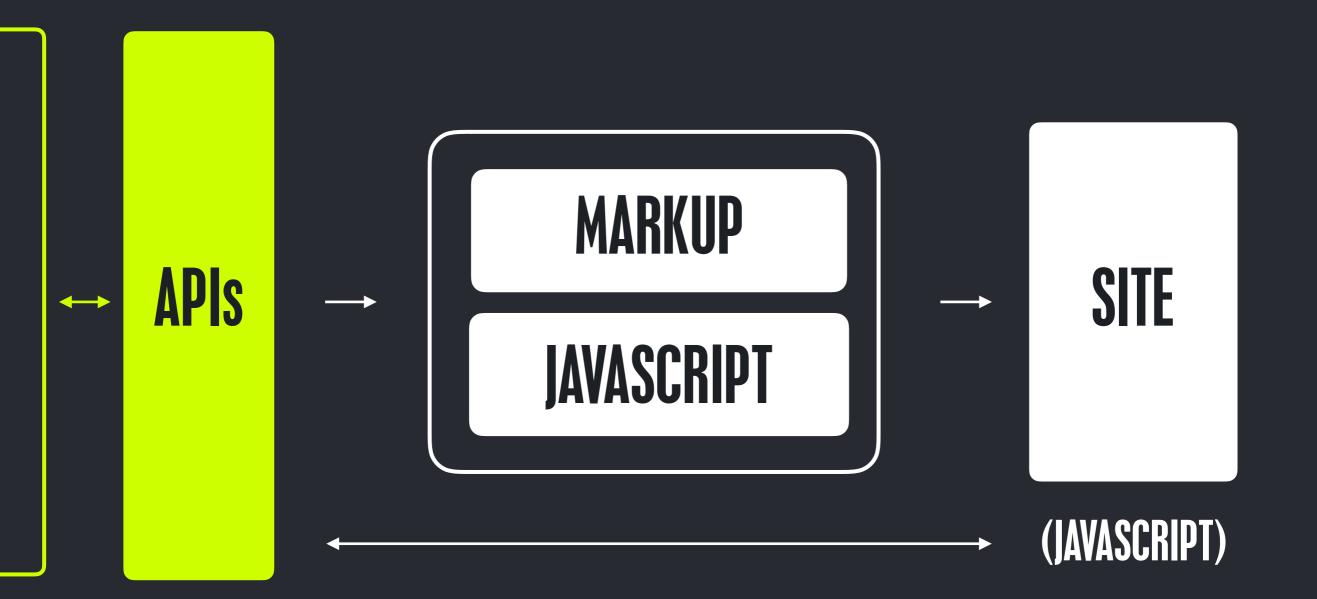






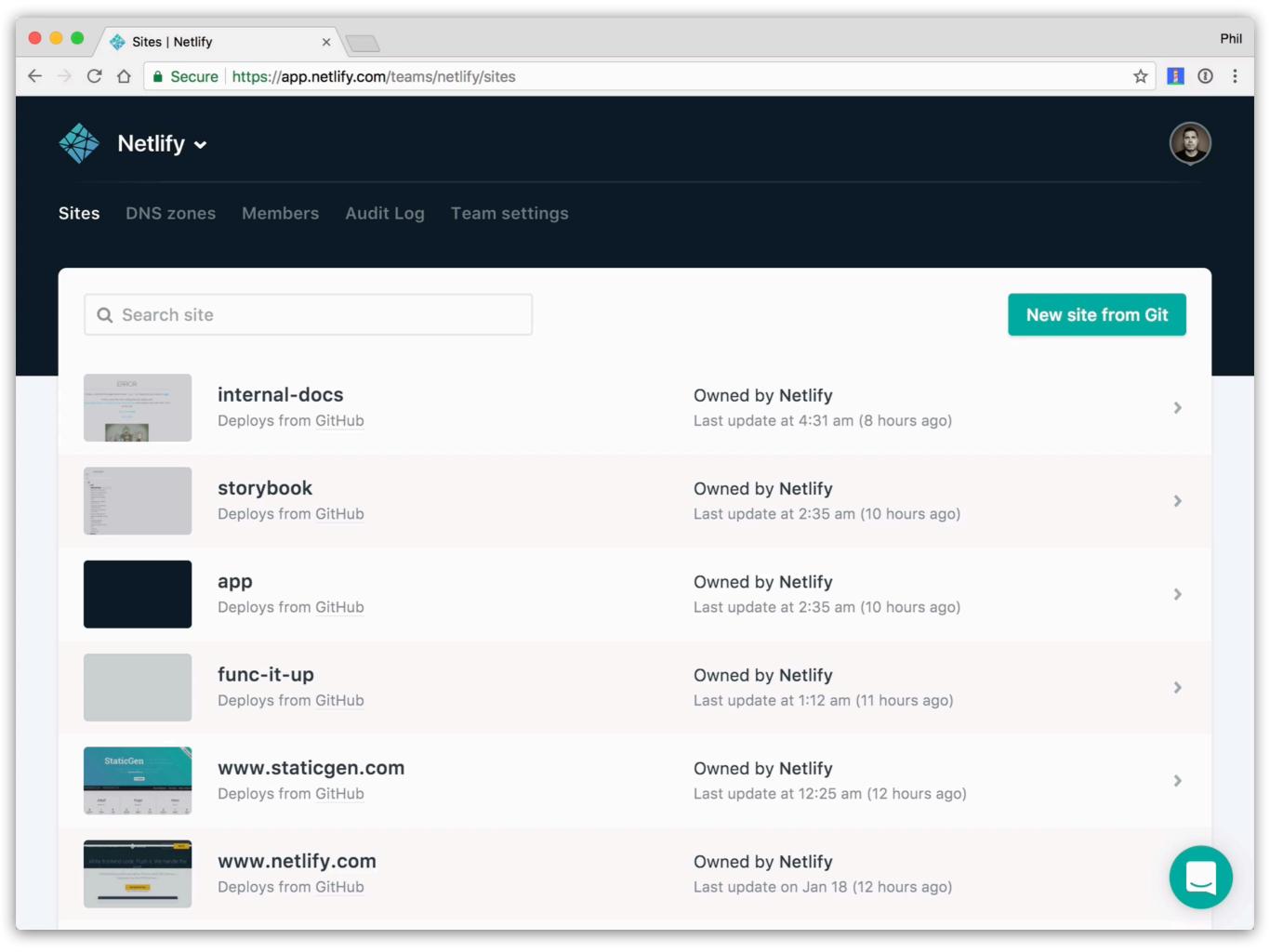




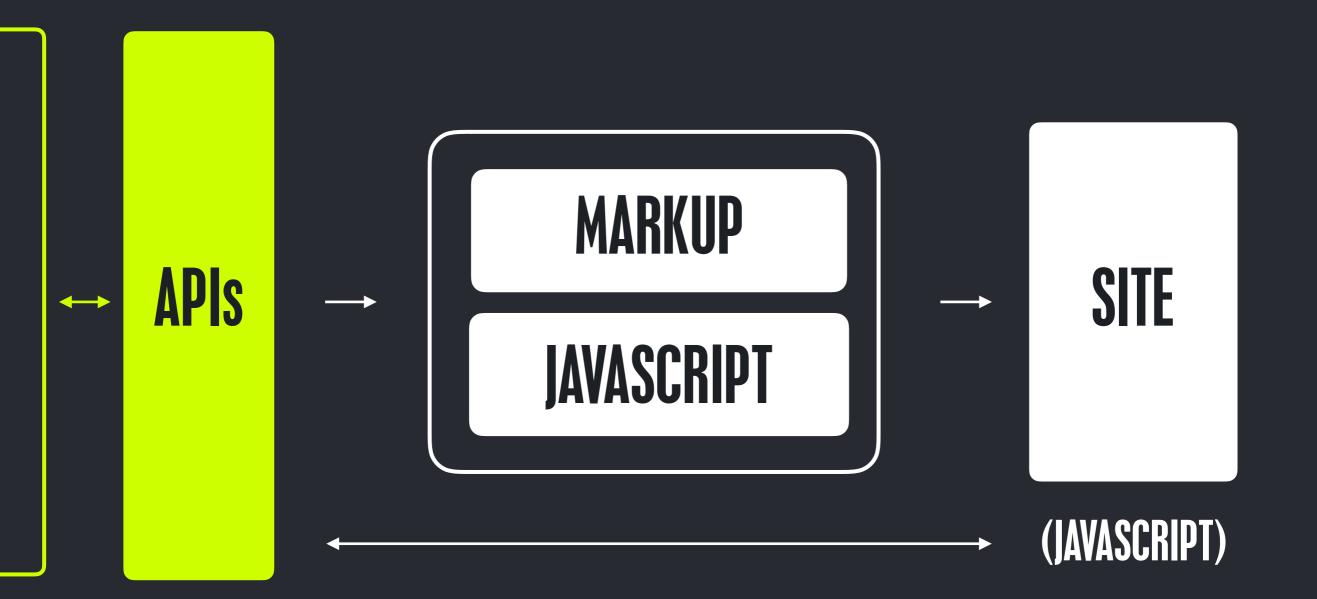




BUILDS ARE BASED ON GIT COMMITS, SO WE HAVE HISTORY





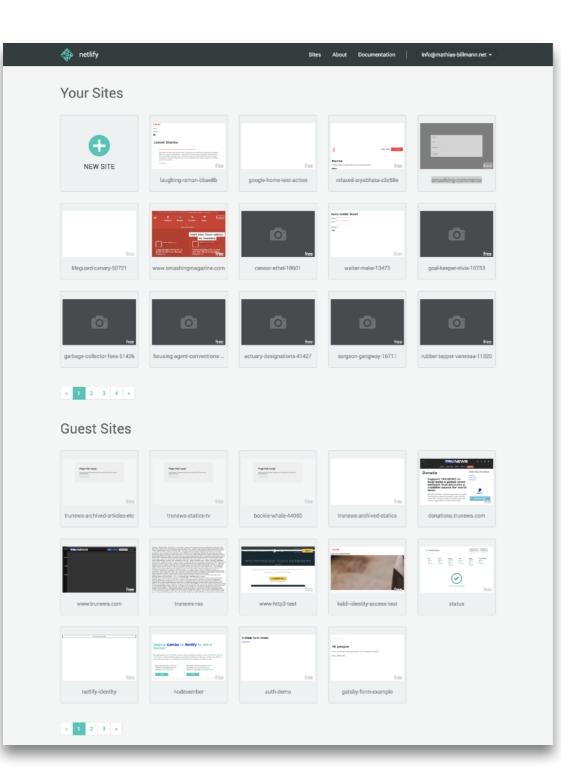




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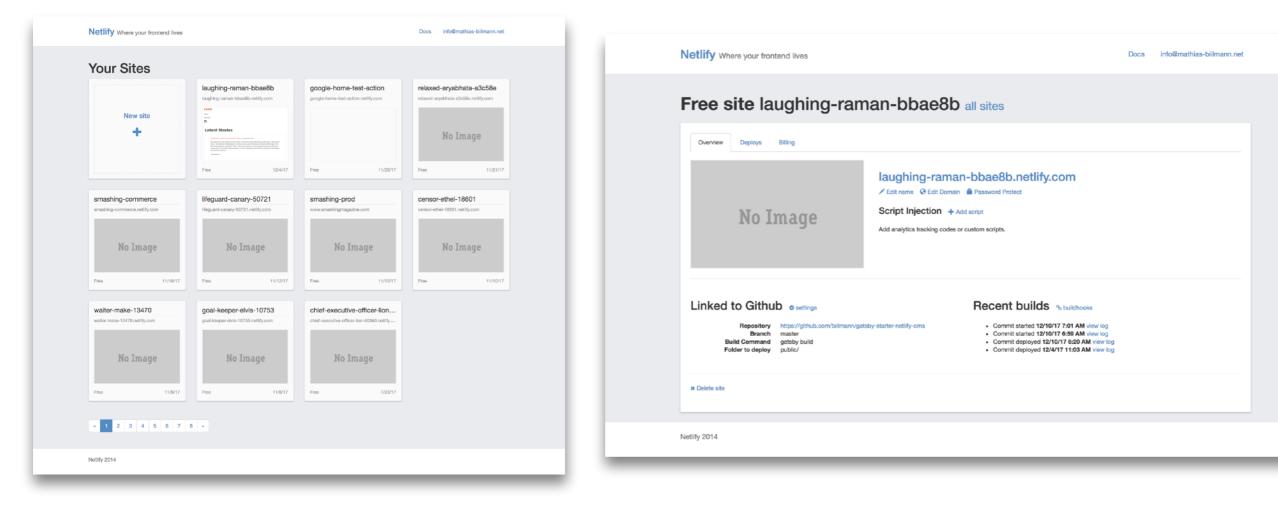
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Recent form submissions		☆ Active Split Test	
Collect form submissions		Split traffic to multiple branches	
Netlify supports automatic collection of form submissions for HTML form on your site, with no database required. Trigger a slack notification, or webhook with each form submission.		Split the traffic to your main domain between two or more bran with no performance loss. Set up easy A/B tests with one click leveraging edge node logic requests.	
Read about form handling in our documentation \rightarrow		Start a Split Test →	



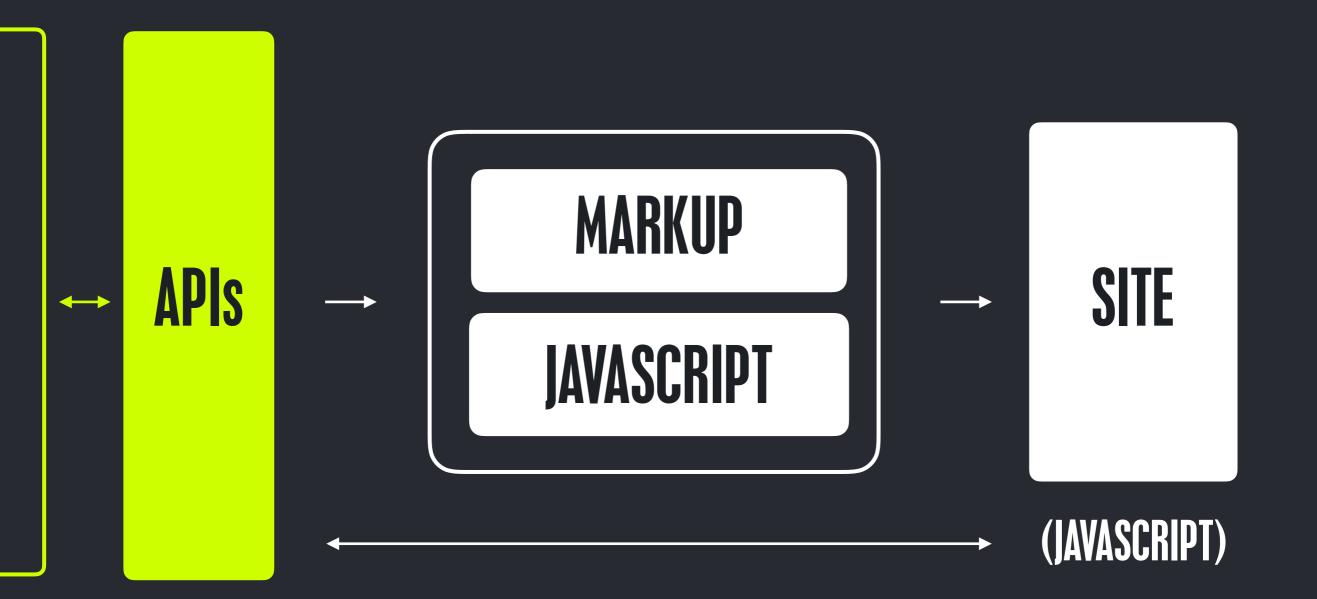


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Custom Scripts Inject analytics or other scripts into the html of your site.	Google Analytics Add injected before «/body» @ View x Remove	
Post Processing Control the post processing and optimizations netlify can do for you.	All processing disabled Edit	
Prerendering Enable prerendering for search engines for single page apps. Read more	Prerendering is not available on your current plan.	
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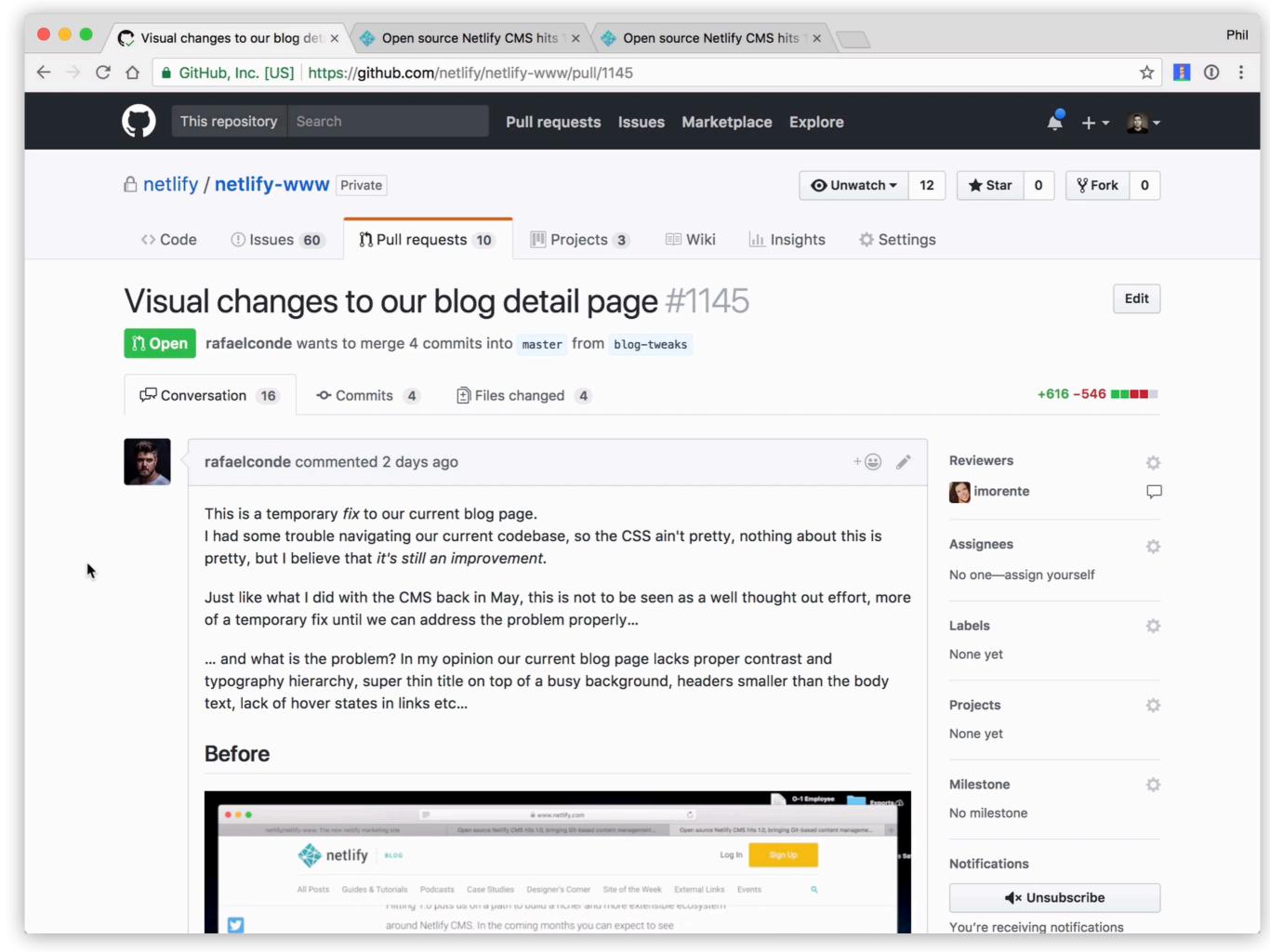




AUTOMATION BASED ON GIT ACTIVITY



GENERATING PREVIEWS FROM PULL REQUESTS





CONFIDENCE IN THE FUTURE STATE



VERSION CONTROL SHOULD EXTEND TO YOUR DEPLOYMENTS





OUR EVOLVING APPROACH TO INFRASTRUCTURE







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This project is based on Create React App. (For more information about Create react App, check their full documentation.)



A SERVERLESS WORKFLOW

/ POWERED BY VERSION CONTROL ACTIONS
/ AUTOMATICALLY GENERATING VERSIONED LAMBDAS
/ IMMUTABLE DEPLOYMENTS
/ INSTANT PROVISIONING OF STAGING ENVIRONMENTS





Jessons EMBRACING VERSION CONTROL **CONVENTIONS REMOVES NEED** TO REINVENT THEM

REDUCED FRICTION BRINGS AGILITY AND CONFIDENCE

JAMSTACK GOES BEYOND STATIC SITES

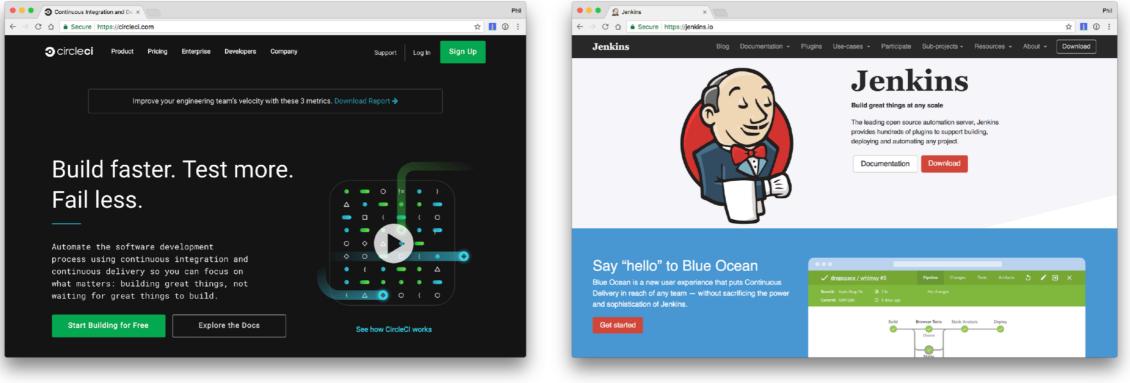


FOR THE NEXT 40 MINUTES OR SO / WHERE DOES IT HURT? / 3 STORIES / MINDSETS AND RESOURCES



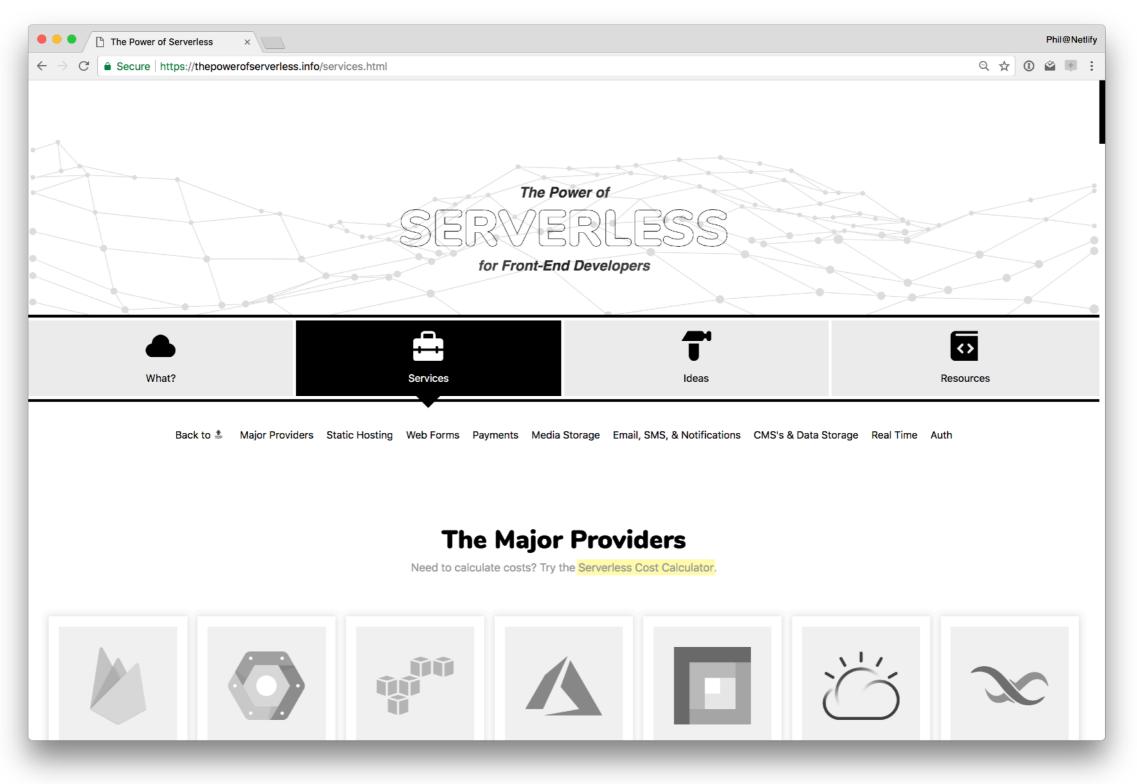
CIRCLE CI







THEPOWEROFSERVERLESS.INFO





THENEWDYNAMIC.ORG

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JAMSTACK.ORG

Second Street, APIs, a ×

 \leftarrow \rightarrow C \triangle \blacksquare Secure | https://jamstack.org/best-practices/

JAMSTACK

Best Practices

When building JAMstack projects, you can really get the most out of the stack if you stick to a few best practices.

🖒 Entire Project on a CDN

Because JAMstack projects don't rely on server-side code, they can be distributed instead of living on a single server. Serving directly from a CDN unlocks speeds and performance that can't be beat. The more of your app you can push to the edge, the better the user

🗅 Everything Lives in Git

With a JAMstack project, anyone should be able to do a git clone, install any needed dependencies with a standard procedure (like npm install), and be ready to run the full project locally. No databases to clone, no complex installs. This reduces contributor friction, and also simplifyes staning and testing workflows

🗅 Modern Build Tools

Best Practices Examples Resources Community

Take advantage of the world of modern build tools. It can be a jungle to get oriented in and it's a fast moving space, but you'll want to be able to use tomorrow's web standards today without waiting for tomorrow's browsers. And that currently means Babel, PostCSS, Webpack and friends

Phil

🕁 🚺 🛈 🗄



@philhawksworth

MINDSETS



VERSION CONTROL



A NOTE ON DEPLOYMENT

MAKE IT SCRIPTED MAKE IT AUTOMATED MAKE IT REAL MAKE IT FIRST











A NOTE ON EXPERTISE IT'S AN AWFULLY FULL STACK



A NOTE ON EXPERTISE USE THE SKILLS OF OTHERS

THANK YOU Hawksworx.com / talks / hk

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