SUSTAINABLE SERVERLESS WORKFLOW

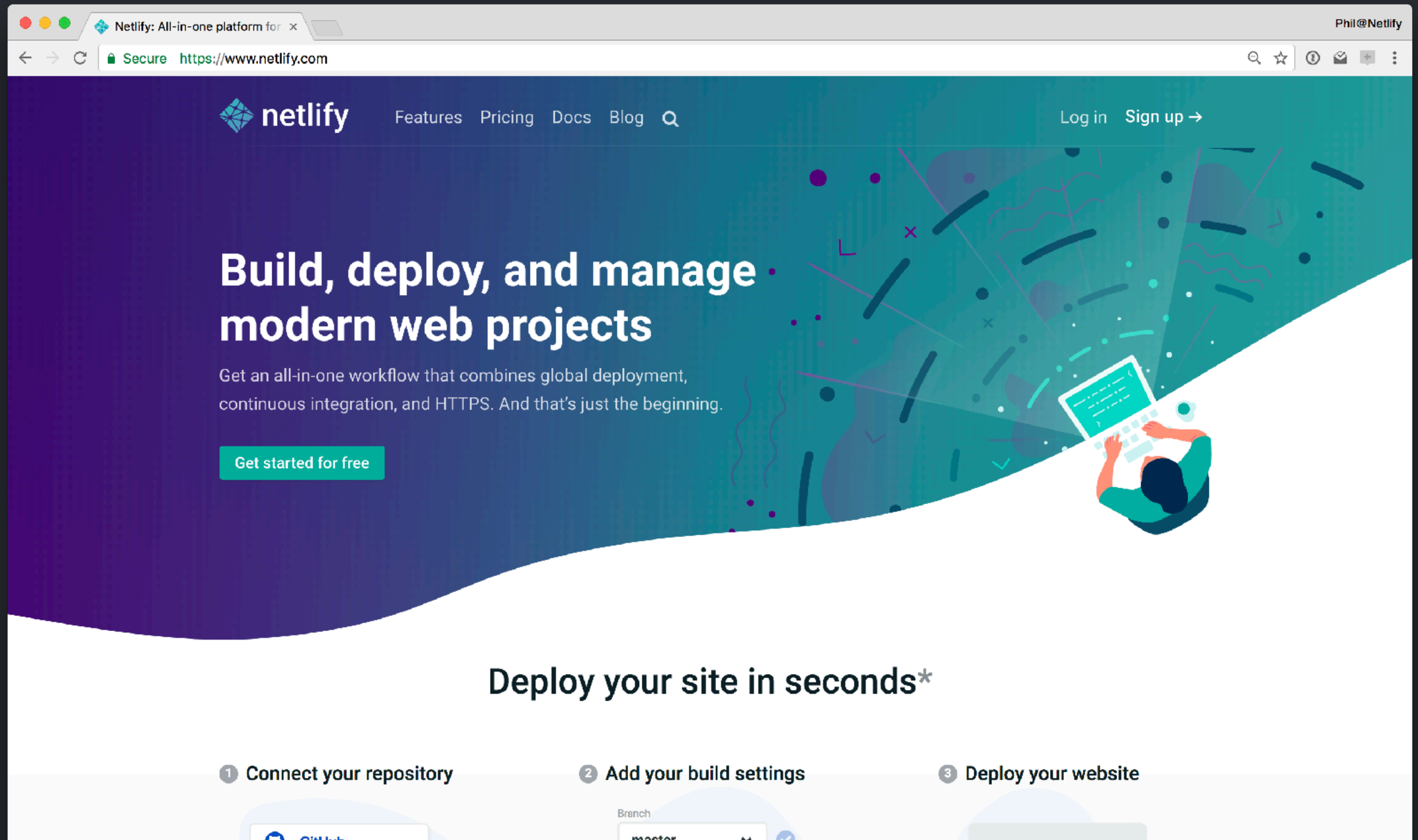
WITH NETLIFY FUNCTIONS

PHIL HAWKSWORTH

HELLO

@PHILHAWKSWORTH

netlify


Netlify: All-in-one platform for
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Build, deploy, and manage modern web projects
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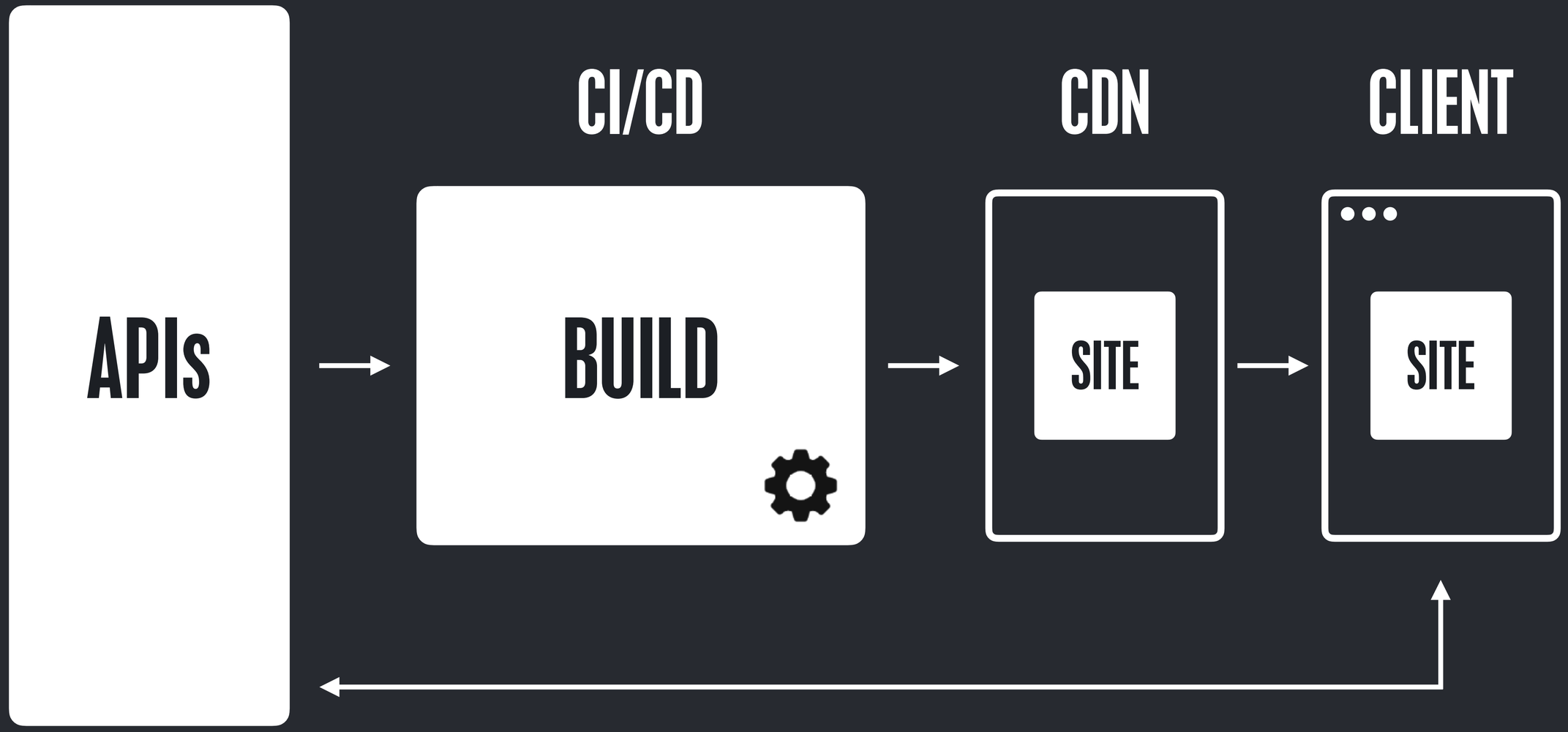
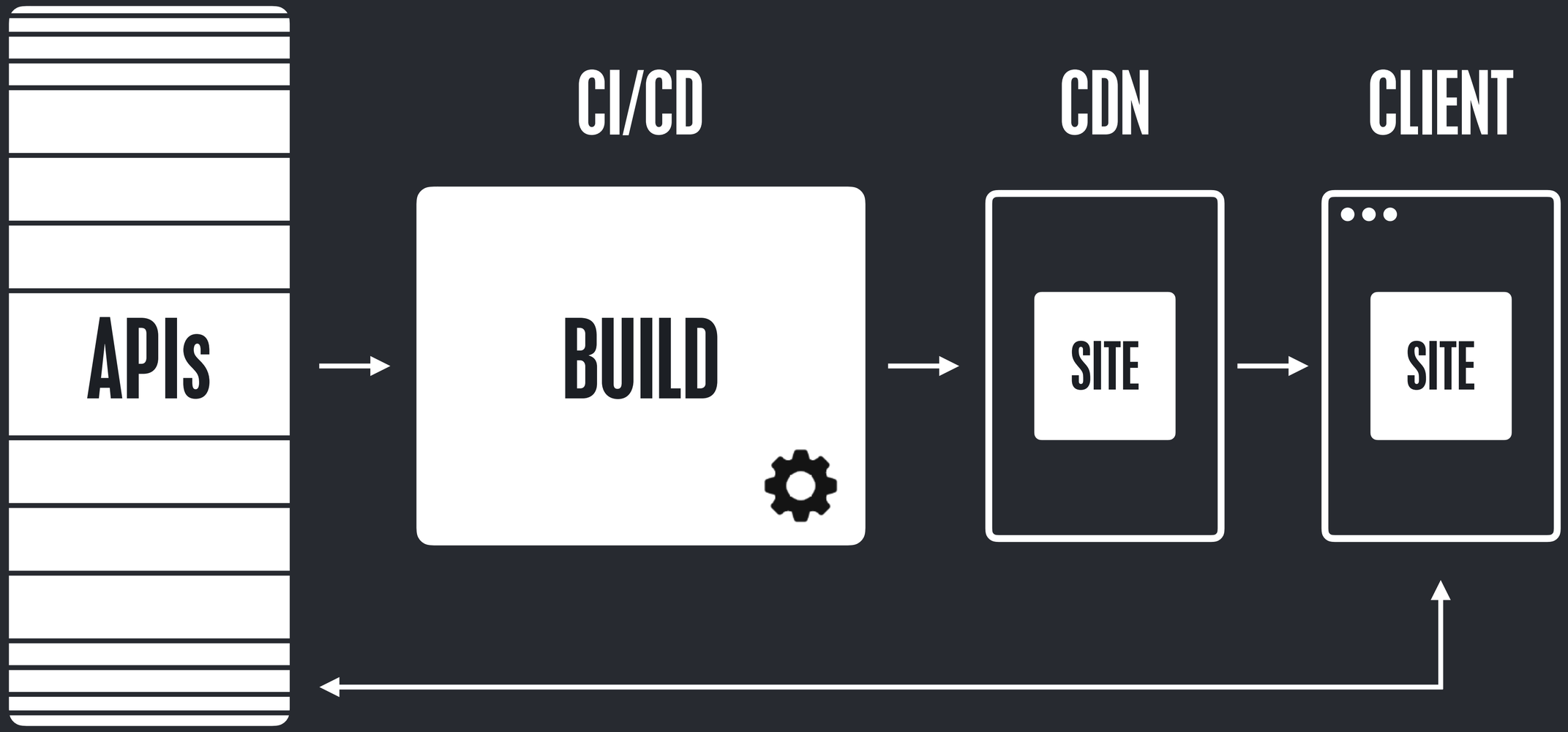
1 Connect your repository
2 Add your build settings
Branch
3 Deploy your website

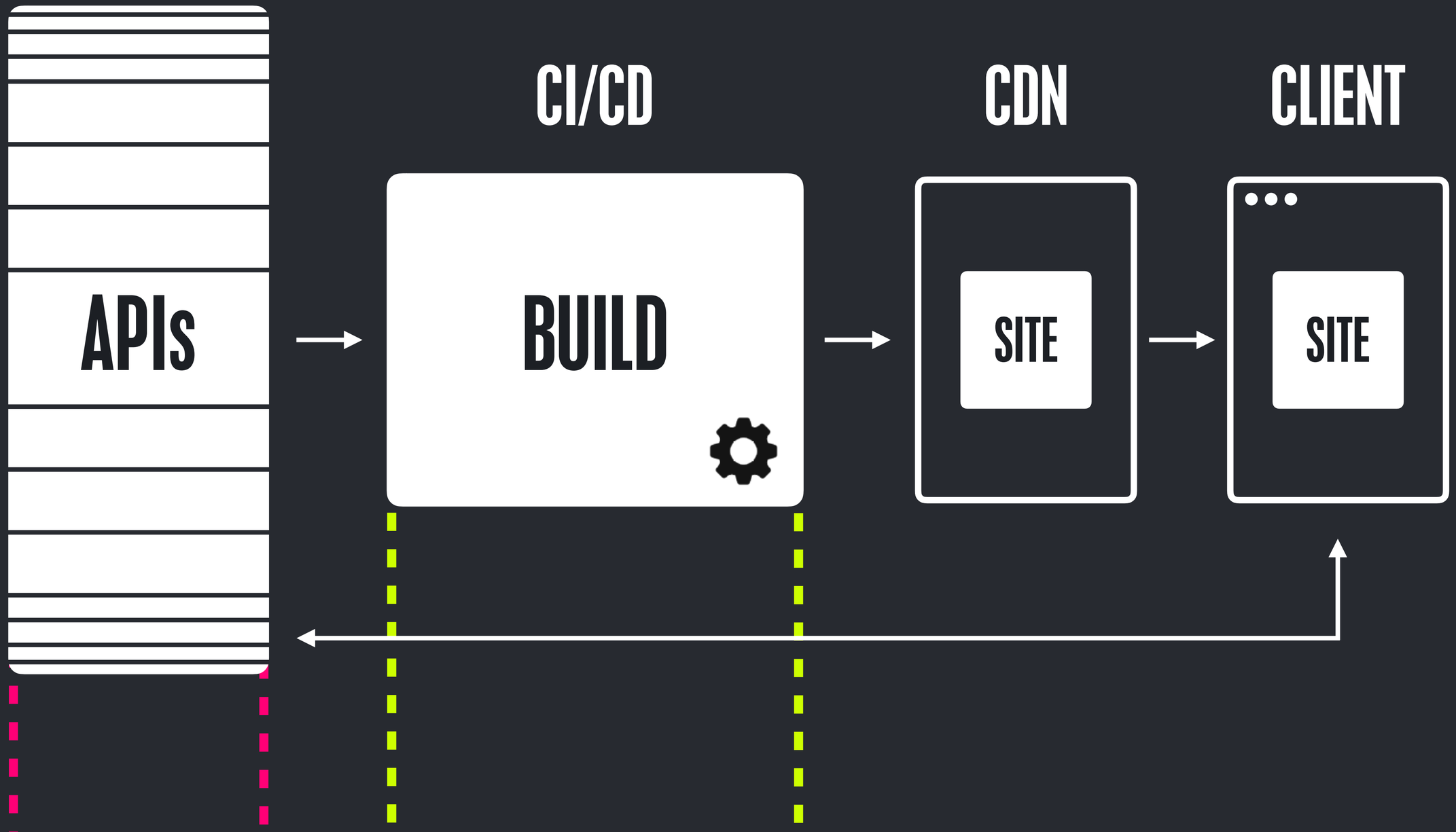
STATIC / PRE-RENDERED / JAMSTACK


APIs
CI/CD
BUILD
CDN
SITE
CLIENT
SITE


APIs
CI/CD
BUILD
CDN
SITE
CLIENT
SITE

I ABSOLUTELY POSITIVELY NEED A LITTLE LOGIC ON A SERVER

SERVERLESS TO THE RESCUE


CI/CD
CDN
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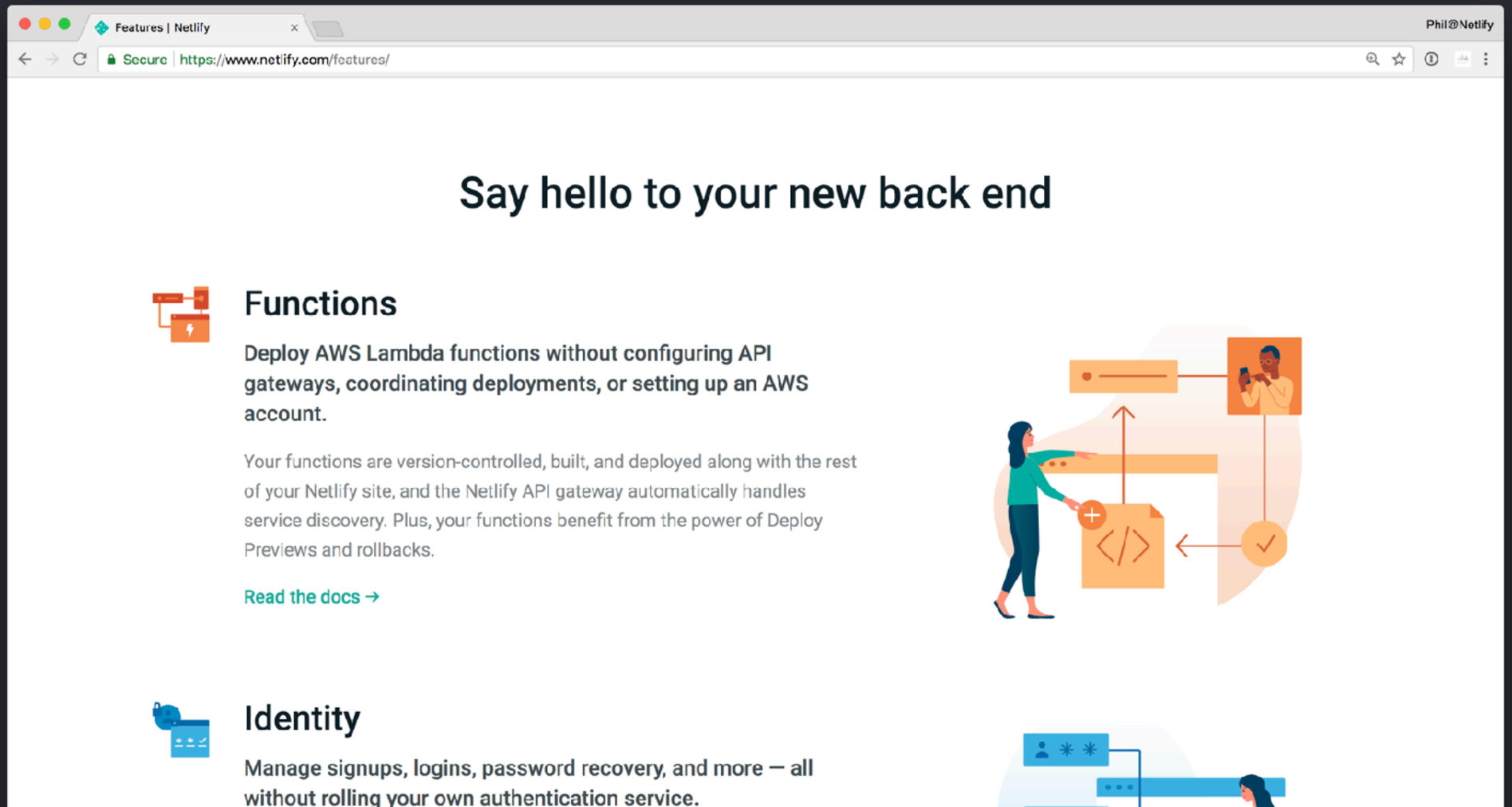
NETLIFY FUNCTIONS



SOME CHALLENGES

CONFIGURING SERVERLESS PROVIDERS *can be hard*

AUTOMATING DEPLOYMENT PROCESSES

can be hard

DEPLOYING VERSIONED APIS AND TARGETING THEM

can be hard

KEEPING YOUR UI AND YOUR APIS IN SYNC

can be hard

SUSTAINABLE SERVERLESS WORKFLOW

WITH NETLIFY FUNCTIONS

PHIL HAWKSWORTH

SET THE SCENE
10 minutes

SAY HELLO
SOME CONTEXT
DESCRIBE CHALLENGES

DEMO
10 minutes

PROVISION, BOOTSTRAP, DEPLOY
UNLIMITED STAGING ENVS
STAGE NEW VERSION
DEPLOY TO PRODUCTION
ROLLING BACK
LOCAL DEVELOPMENT
VERSIONING

REFLECT
10 minutes

WAIT, WHAT?

SET THE SCENE
9 minutes

SAY HELLO
SOME CONTEXT
DESCRIBE CHALLENGES

DEMO
17 minutes

PROVISION, BOOTSTRAP, DEPLOY
UNLIMITED STAGING ENVS
STAGE NEW VERSION
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ROLLING BACK
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VERSIONING

REFLECT
4 minutes

WAIT, WHAT?

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9 minutes

SAY HELLO
SOME CONTEXT
DESCRIBE CHALLENGES

DEMO
17 minutes

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WAIT, WHAT?

DEMO TIME

SET THE SCENE
9 minutes

SAY HELLO
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DESCRIBE CHALLENGES

DEMO
17 minutes

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REFLECT
4 minutes

WAIT, WHAT?

NETLIFY FUNCTIONS *are*

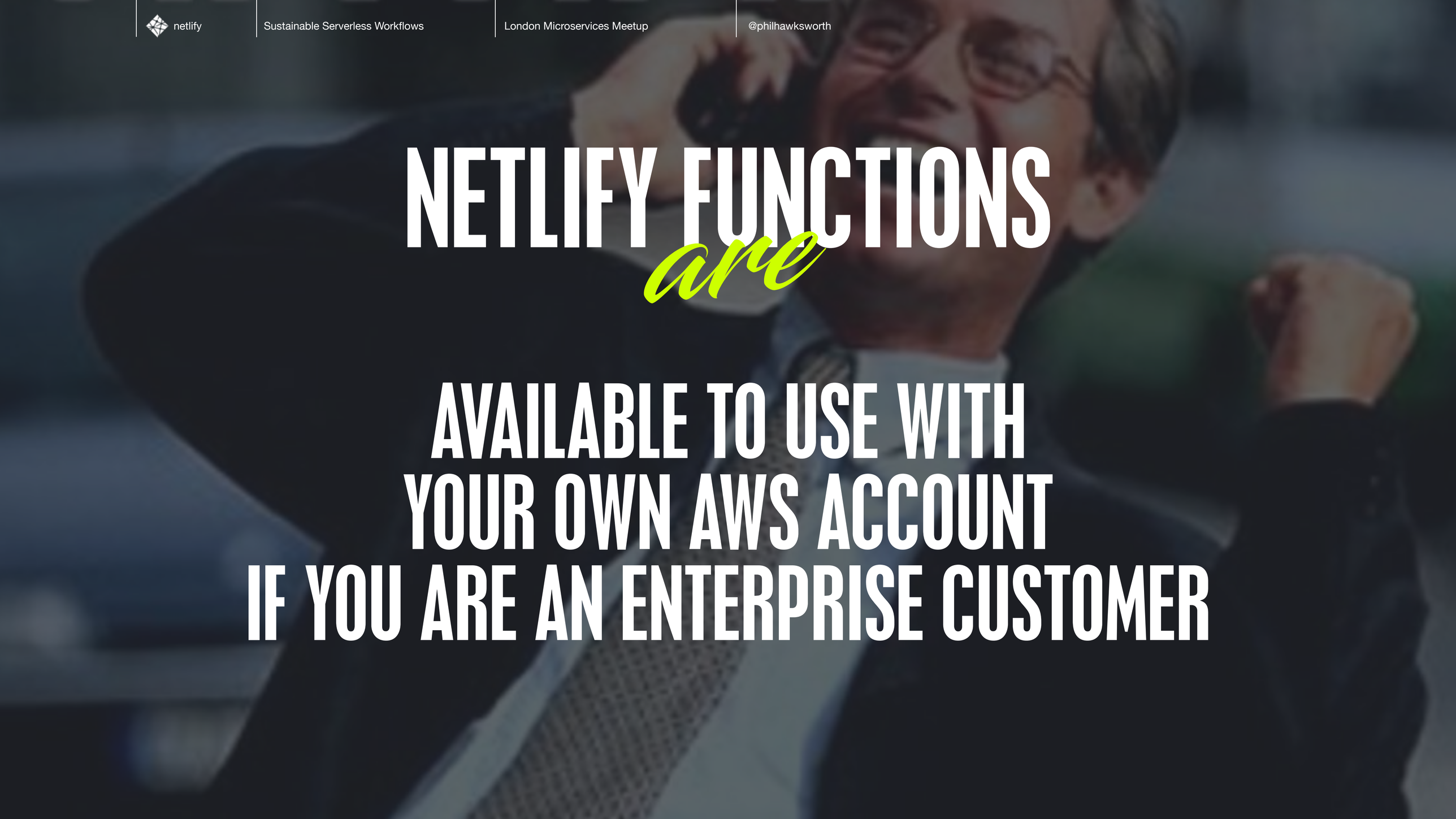
A MEANS OF ACHIEVING IMMUTABLE, ATOMIC DEPLOYS ACROSS YOUR UI & API STACK

NETLIFY FUNCTIONS *are*

YOUR USUAL GIT WORKFLOW, EXTENDED TO THE SERVERLESS SERVERS!

NETLIFY FUNCTIONS *are*

A WORKFLOW FOR BUILDING AWS LAMBDA WITHOUT TOUCHING AWS



NETLIFY FUNCTIONS *are*

AVAILABLE TO USE WITH YOUR OWN AWS ACCOUNT IF YOU ARE AN ENTERPRISE CUSTOMER

NETLIFY FUNCTIONS *are*

FREE FOR THE FIRST 125,000 INVOCATIONS PER MONTH

NETLIFY FUNCTIONS
www.netlify.com/features/#functions

THE DOCS
www.netlify.com/docs/functions

WHAT THE HECK? (DAVID WELLS & CHRIS COYIER)
www.youtube.com/watch?v=2N_sUmpjzZk&

WRITINGS
www.netlify.com/tags/functions

THANKS

QUESTIONS?

@PHILHAWKSWORTH