

# Automating Code & Testing All the Things

*with*

# GitHub Actions

@colbyfayock

# Colby Fayock

Developer Advocate



@colbyfayock



# Code Tasks

# Linting



 Search the docs...

[User guide](#)▼

[Developer guide](#)▼

[Blog](#)

[Demo](#)

[About](#)▼

# ESLint

Find and fix problems in your JavaScript code

[Get Started »](#)

Find Problems

Fix Automatically

Customize

@colbyfayock

# Linting



ESLint



Search the docs...

User guide▼

Developer guide▼

Blog

Demo

About▼

```
→ gatsby-starter-leaflet git:(master) ✖ yarn lint
```

```
yarn run v1.22.4
```

```
$ eslint -c ./config/eslint.config.js . --ext .js
```

```
/Users/colbyfayock/Code/gatsby-starter-leaflet/src/components/Footer.js
```

```
8:52 error Parsing error: Missing semicolon
```

```
6 |  
7 | const Footer = () => {  
> 8 |   const { authorName, authorUrl } = useSiteMetadata);  
   |                                             ^  
9 |  
10 |   return (  
11 |     <footer>
```

```
/Users/colbyfayock/Code/gatsby-starter-leaflet/src/components/Header.js
```

```
26:13 error Parsing error: Expected corresponding JSX closing tag for <FaGithub>
```

```
24 |           <span className="visually-hidden">Github</span>  
25 |           <FaGithub>  
> 26 |         </a>  
   |         ^  
27 |       </li>
```

Find Problems

Fix Automatically

Customize

@colbyfayock

# Formatting



Prettier stable

[Playground](#)

[Docs](#)

[Blog](#)

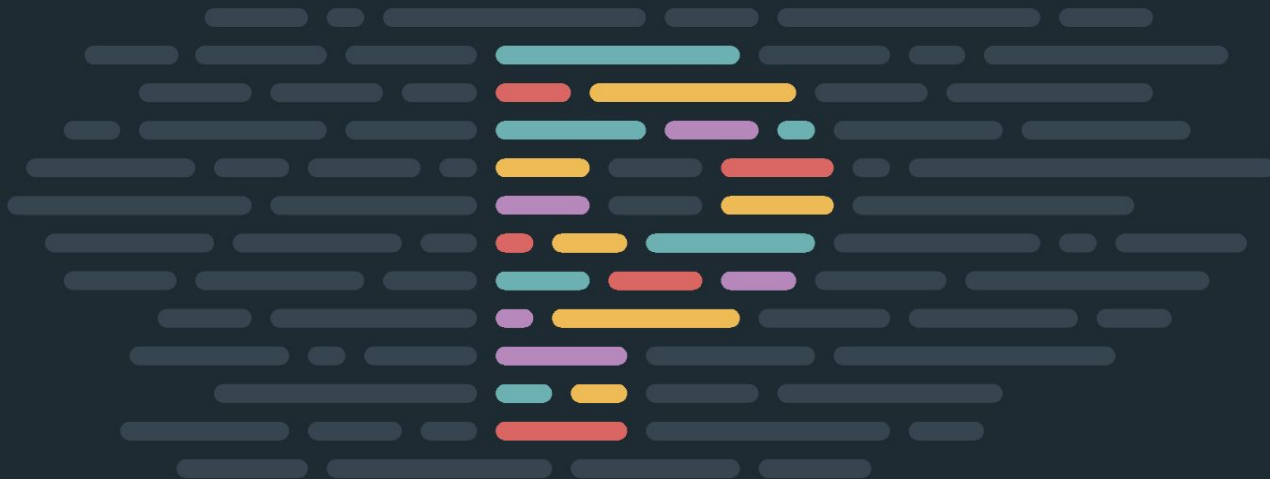
[Search](#)

[Donate](#)

[GitHub](#)



PRETTIER FOR ENTERPRISE



[TRY IT ONLINE](#)

[INSTALL PRETTIER](#)

@colbyfayock

# Formatting



Prettier stable

Playground

Docs

Blog

Search

Donate

GitHub

```
18 const Nav = () => {
19   const formRef = useRef();
20   const [searchVisibility, setSearchVisibility] = useState(SEARCH_HIDDEN);
21   const { metadata = { title }, menus } = useSite();
22   const navigation = findMenuByLocation(menus, [process.env.WORDPRESS_MENU_LOCATION_NAVIGATION, MENU_LO
23   const { query, results, search, clearSearch } = useSearch({maxResults: 5,});
24   useEffect(() => addDocumentOnClick()), [searchVisibility]);
25 }
```

→ next-wordpress-starter git:(main) ✖ yarn lint

yarn run v1.22.4

\$ yarn prettier --config ./config/prettier.config.js --check .

\$ /Users/colbyfayock/Code/next-wordpress-starter/node\_modules/.bin/prettier --config ./config/prettier.config.js --check .

Checking formatting...

[warn] src/components/Nav/Nav.js

[warn] Code style issues found in the above file(s). Forgot to run Prettier?

→ next-wordpress-starter git:(main) ✖ yarn format

yarn run v1.22.4

\$ yarn prettier --config ./config/prettier.config.js --write .

\$ /Users/colbyfayock/Code/next-wordpress-starter/node\_modules/.bin/prettier --config ./config/prettier.config.js --write .

src/components/Nav/index.js 3ms

src/components/Nav/Nav.js 28ms

src/components/Nav/Nav.module.scss 19ms

# Testing

[Features](#)[How it works](#)[Dashboard](#)[Pricing](#)[Support](#)[Blog](#)[Docs](#)[What's New](#)[Login](#)[Sign up](#)

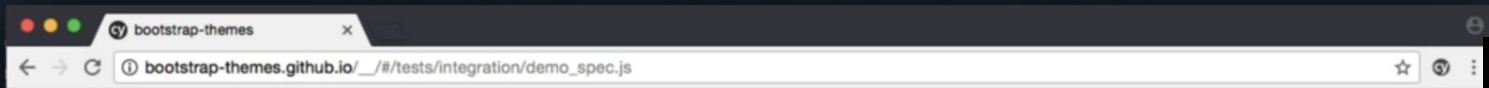
## The web has evolved. Finally, testing has too.

Fast, easy and reliable testing for anything that runs in a browser.

```
$ npm install cypress
```

or [Download now](#)

Install Cypress for Mac, Linux, or Windows, then [get started](#).



@colbyfayock

# Testing

[Features](#)[How it works](#)[Dashboard](#)[Pricing](#)[Support](#)[Blog](#)[Docs](#)[What's New](#)[Login](#)[Sign up](#)

chrome-example

next-wordpress-starter.netlify.app/\_/#/tests/integration/examples/home.js

Chrome is being controlled by automated test software.

Tests

✓ 1

✗ --

○ --

02.09

● ↓

↺

https://next-wordpress-starter.netlify.app/

1000 x 660 (57%)

cyress/integration/examples/home.js

Next.js WordPress Starter

Docs About GitHub

Actions

✓ should display the name of the starter

BEFORE EACH

1 visit https://next-wordpress-starter.netli...

TEST BODY

1 get h1

2 -contains Next.js WordPress Starter

Next.js WordPress Starter

Scaling WordPress to the static web!

How to Create a Headless WordPress Blog with Next.js WordPress Starter

By Colby Fayock April 30th, 2021 Getting Started and more

Blogs are a great way to get down your thoughts to help others learn, keep track of progress, or even to help reinforce an idea to help yourself learn. WordPress is a popular blog platform that's been around for

bootstrap-themes

bootstrap-themes.github.io/\_/#/tests/integration/demo\_spec.js

@colbyfayock

# Deployments



[Contact Us](#) [Support](#) [English](#) [My Account](#)

[Create an AWS Account](#)

[Products](#) [Solutions](#) [Pricing](#) [Documentation](#) [Learn](#) [Partner Network](#) [AWS Marketplace](#) [Customer Enablement](#) [Events](#) [Explore More](#) [Q](#)

**AWS CloudFormation**

[Overview](#)

[Features](#)

[Pricing](#)

[Getting Started](#)

[Resources](#)

[Partners](#)

[FAQs](#)

## AWS CloudFormation

Speed up cloud provisioning with infrastructure as code

[Get started with CloudFormation](#)

AWS CloudFormation gives you an easy way to model a collection of related AWS and third-party resources, provision them quickly and consistently, and manage them throughout their lifecycles, by treating infrastructure as code. A CloudFormation template describes your desired resources and their dependencies so you can launch and configure them together as a stack. You can use a template to create, update, and delete an entire stack as a single unit, as often as you need to,



@colbyfayock

# Deployments



Product

[Contact Us](#)

[Support](#)

[English](#)

[My Account](#)

[Create an AWS Account](#)

```
3  AWSTemplateFormatVersion: '2010-09-09'
4  Parameters:
5    EnvNameParam:
6      Description: Example 'dev' or 'test' switch, determines which settings are passed to userdata.
7      Type: String
8      Default: dev
9      AllowedValues:
10       - dev
11       - test
12    AMIIDParam:
13      Description: Enter a valid AMI ID for your selected region, suggested to use latest Amazon Linux.
14      Type: AWS::EC2::Image::Id
15      Default: ami-5ec1673e
16    InstanceTypeParam:
17      Description: Enter a valid instance type for your selected region.
18      Type: String
19      Default: 't2.micro'
20  Mappings:
21    EnvMap:
```

their dependencies so you can launch and configure them together as a stack. You can use a template to create, update, and delete an entire stack as a single unit, as often as you need to,

@colbyfayock

# Code Tasks

- ✓ Linting
- ✓ Formatting
- ✓ Testing
- ✓ Deploying



# **Automate All the Things!**

# Scripts



Services ▼

🔍 Search for services, features, marketplace products, and docs

[Option+S]



colby @ colbyfayock ▼

N. Virginia ▼

Support ▼

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

## Step 1: Choose an Amazon Machine Image (AMI)

Cancel and Exit

Search by Systems Manager parameter

### Quick Start

⏪ < 1 to 44 of 44 AMIs > ⏩

My AMIs

AWS Marketplace

Community AMIs

☐ Free tier only ⓘ



Amazon Linux

Free tier eligible

**Amazon Linux 2 AMI (HVM), SSD Volume Type** - ami-048f6ed62451373d9 (64-bit x86) / ami-00315de4391ce4f6d (64-bit Arm)

Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is approaching end of life on December 31, 2020 and has been removed from this wizard.

Root device type: ebs

Virtualization type: hvm

ENA Enabled: Yes

Select

☒ 64-bit (x86)

☐ 64-bit (Arm)



**macOS Big Sur 11.2.3** - ami-0df50a48200a29819

The macOS Big Sur AMI is an EBS-backed, AWS-supported image. This AMI includes the AWS Command Line Interface, Command Line Tools for Xcode, Amazon SSM Agent, and Homebrew. The AWS Homebrew Tap includes the latest versions of multiple AWS packages included in the AMI.

Root device type: ebs

Virtualization type: hvm

ENA Enabled: Yes

Select

64-bit (Mac)



**macOS Catalina 10.15.7** - ami-08e622e2dd5af1c42

@colbyfayock

# Scripts



Services ▼

Search for services, features, marketplace products, and docs

[Option+S]



colby @ colbyfayock ▼

N. Virginia ▼

Support ▼

1. Choose AMI

2. Choose Instance Profile

## Step 1: Choose AMI

Quick Start

My AMIs

AWS Marketplace

Community AMIs

☐ Free tier only ⓘ

```
#!/bin/bash
```

```
# Setup Project
```

```
git clone https://github.com/colbyfayock/my-cool-project
```

```
cd my-cool-project
```

```
# Install Dependencies
```

```
npm ci
```

```
# Run all of the tests
```

```
npm run test:ci
```

```
npm run e2e:ci
```

```
# Version and tag
```

```
PACKAGE_VERSION=$(npm version patch)
```

```
git tag $PACKAGE_VERSION
```

```
git push --tags
```

```
# Deploy CF stacks
```

```
aws cloudformation deploy --stack-name my-cool-stack --template-file ./deploy/my-cool-stack.yaml
```

macOS Catalina 10.15.7 - ami-08e622e2dd5af1c42

Cancel and Exit

Parameter Manager parameter

4 of 44 AMIs > >

Select

64-bit (x86)

64-bit (Arm)

Select

64-bit (Mac)

@colbyfayock

# Scripts



Services ▾

🔍 Search for services, features, marketplace products, and docs

[Option+S]



colby @ colbyfayock ▾

N. Virginia ▾

Support ▾

1. Choose A

Step 1:

Quick Sta

My AMI

AWS Ma

Commu

☐ Free ti

```
#!/bin/bash
```

```
# Setup Project
```

```
git clone https://github.com/colbyfayock/my-cool-project
```

```
cd my-cool-project
```

```
# Install Dependencies
```

```
npm ci
```

```
# Run all of the tests
```

```
npm run test:ci
```

```
npm run e2e:ci
```

```
# Version and tag
```

```
PACKAGE_VERSION=$(npm version patch)
```

```
git tag $PACKAGE_VERSION
```

```
git push --tags
```

```
# Deploy CF stacks
```

```
aws cloudformation deploy --stack-name my-cool-stack --template-file ./deploy/my-cool-stack.yaml
```



Cancel and Exit

Search by Systems Manager parameter

of 44 AMIs > >

Select

64-bit (x86)

64-bit (Arm)

Select

64-bit (Mac)

includes

macOS Catalina 10.15.7 - ami-08e622e2dd5af1c42



@colbyfayock

# Git Hooks



🔍 Search entire site...

## About

## Documentation

### Reference

Book

Videos

External Links

## Downloads

## Community

Version 2.31.1 ▾ githooks last updated in 2.31.1

Topics ▾ English ▾

## NAME

githooks - Hooks used by Git

## SYNOPSIS

`$GIT_DIR/hooks/*` (or ``git config core.hooksPath`/*`)

## DESCRIPTION

Hooks are programs you can place in a hooks directory to trigger actions at certain points in git's execution. Hooks that don't have the executable bit set are ignored.

By default the hooks directory is `$GIT_DIR/hooks`, but that can be changed via the

@colbyfayock

# Git Hooks

This hook is invoked by `git-am[1]`. It takes no parameter, and is invoked after the patch is applied and a commit is made.

This hook is meant primarily for notification, and cannot affect the outcome of `git am`.

## **pre-commit**

This hook is invoked by `git-commit[1]`, and can be bypassed with the `--no-verify` option. It takes no parameters, and is invoked before obtaining the proposed commit log message and making a commit. Exiting with a non-zero status from this script causes the `git commit` command to abort before creating a commit.

The default **pre-commit** hook, when enabled, catches introduction of lines with trailing whitespaces and aborts the commit when such a line is found.

All the `git commit` hooks are invoked with the environment variable `GIT_EDITOR=:` if the command will not bring up an editor to modify the commit message.

The default **pre-commit** hook, when enabled—and with the `hooks.allownonascii` config option unset or set to false—prevents the use of non-ASCII filenames.

## **pre-merge-commit**

# Git Hooks

```
2  "name": "next-wordpress-starter",
3  "homepage": "https://next-wordpress-starter.netlify.app",
4  "author": "Colby Fayock <hello@colbyfayock.com>",
   ▶ Debug
5  "scripts": {
6    "build": "next build && next export",
7    "dev": "next dev",
8    "format": "yarn prettier --config ./config/prettier.config.js --write .",
9    "format:nopath": "yarn prettier --config ./config/prettier.config.js --write",
10   "lint": "yarn prettier --config ./config/prettier.config.js --check .",
11   "start": "next start"
12 },
13 "husky": {
14   "hooks": {
15     "pre-commit": "lint-staged"
16   }
17 },
18 "lint-staged": {
19   "*": "yarn format:nopath"
20 },
```

# Git Hooks

|    |                                   |   |                                     |       |     |     |   |   |   |
|----|-----------------------------------|---|-------------------------------------|-------|-----|-----|---|---|---|
| 2  | "name": "next-wordpress-starter". | ✓ | examples/cookies.spec.js            | 00:01 | 5   | 5   | - | - | - |
| 3  | "hor                              | ✓ | examples/cypress_api.spec.js        | 00:02 | 12  | 12  | - | - | - |
| 4  | "aut                              | ✓ | examples/files.spec.js              | 00:01 | 4   | 4   | - | - | - |
|    | ▷ Del                             |   |                                     |       |     |     |   |   |   |
| 5  | "scr                              | ✓ | examples/local_storage.spec.js      | 00:01 | 1   | 1   | - | - | - |
| 6  | "b                                | ✓ | examples/location.spec.js           | 00:01 | 3   | 3   | - | - | - |
| 7  | "c                                | ✓ | examples/misc.spec.js               | 00:08 | 6   | 6   | - | - | - |
| 8  | "f                                | ✓ | examples/navigation.spec.js         | 00:02 | 3   | 3   | - | - | - |
| 9  | "f                                | ✓ | examples/network_requests.spec.js   | 00:03 | 6   | 6   | - | - | - |
| 10 | "t                                | ✓ | examples/querying.spec.js           | 00:02 | 5   | 5   | - | - | - |
| 11 | "s                                | ✓ | examples/spies_stubs_clocks.spec.js | 00:04 | 7   | 7   | - | - | - |
| 12 | },                                | ✓ | examples/traversal.spec.js          | 00:03 | 18  | 18  | - | - | - |
| 13 | "hus                              | ✓ | examples/utilities.spec.js          | 00:02 | 5   | 5   | - | - | - |
| 14 | "r                                | ✓ | examples/viewport.spec.js           | 00:03 | 1   | 1   | - | - | - |
| 15 |                                   | ✓ | examples/waiting.spec.js            | 00:05 | 2   | 2   | - | - | - |
| 16 | }                                 | ✓ | examples/window.spec.js             | 00:01 | 3   | 3   | - | - | - |
| 17 | },                                | ✓ | All specs passed!                   | 01:04 | 114 | 114 | - | - | - |
| 18 | "lir                              |   |                                     |       |     |     |   |   |   |
| 19 | "*                                |   |                                     |       |     |     |   |   |   |
| 20 | },                                |   |                                     |       |     |     |   |   |   |

# CI / CD

Jenkins 

[Blog](#)

[Documentation](#)

[Plugins](#)

[Community](#)

[Subprojects](#)

[About](#)

[English](#)

[Download](#)



## Jenkins

**Build great things at any scale**

The leading open source automation server, Jenkins provides hundreds of plugins to support building, deploying and automating any project.

[Documentation](#)

[Download](#)

### Jenkins is the Way!

We are looking for experiences of Jenkins users from around the world



@colbyfayock

# CI / CD

Jenkins

cd ▾

[Blog](#)

[Documentation ▾](#)

[Plugins](#)

[Community ▾](#)

[Subprojects ▾](#)

[About ▾](#)

[English ▾](#)

[Download](#)

[Search](#)

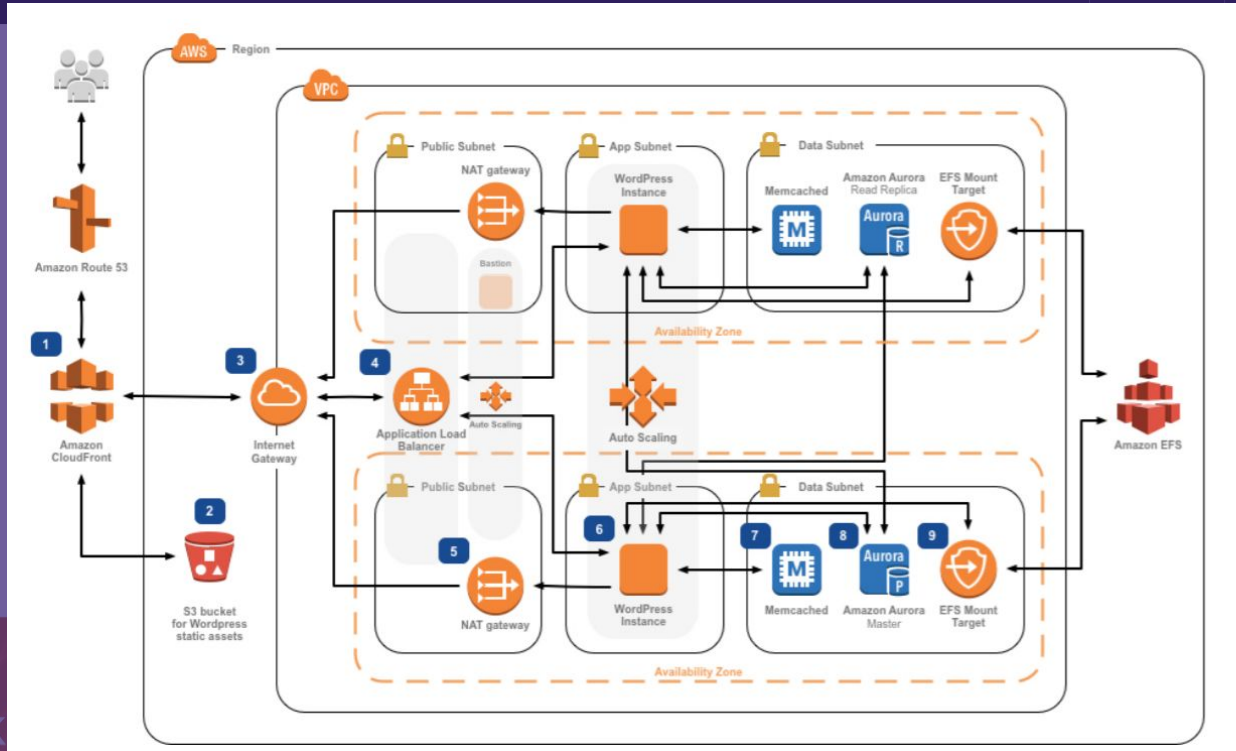
```
5
6  stage('Checkout'){
7    checkout scm
8  }
9
10 stage('Test'){
11   env.NODE_ENV = "test"
12   print "Environment will be : ${env.NODE_ENV}"
13   sh 'node -v'
14   sh 'npm prune'
15   sh 'npm install'
16   sh 'npm test'
17 }
18
19 stage('Build Docker'){
20   sh './dockerBuild.sh'
21 }
22
23 stage('Deploy'){
```

We are looking for experiences of  
Jenkins users from around the world



@colbyfayock

# CI / CD



Jenk

We are looking for experiences of  
Jenkins users from around the world

# **Automate All the Things**

# GitHub Actions

---

# GitHub Actions



## Automate your workflow from idea to production

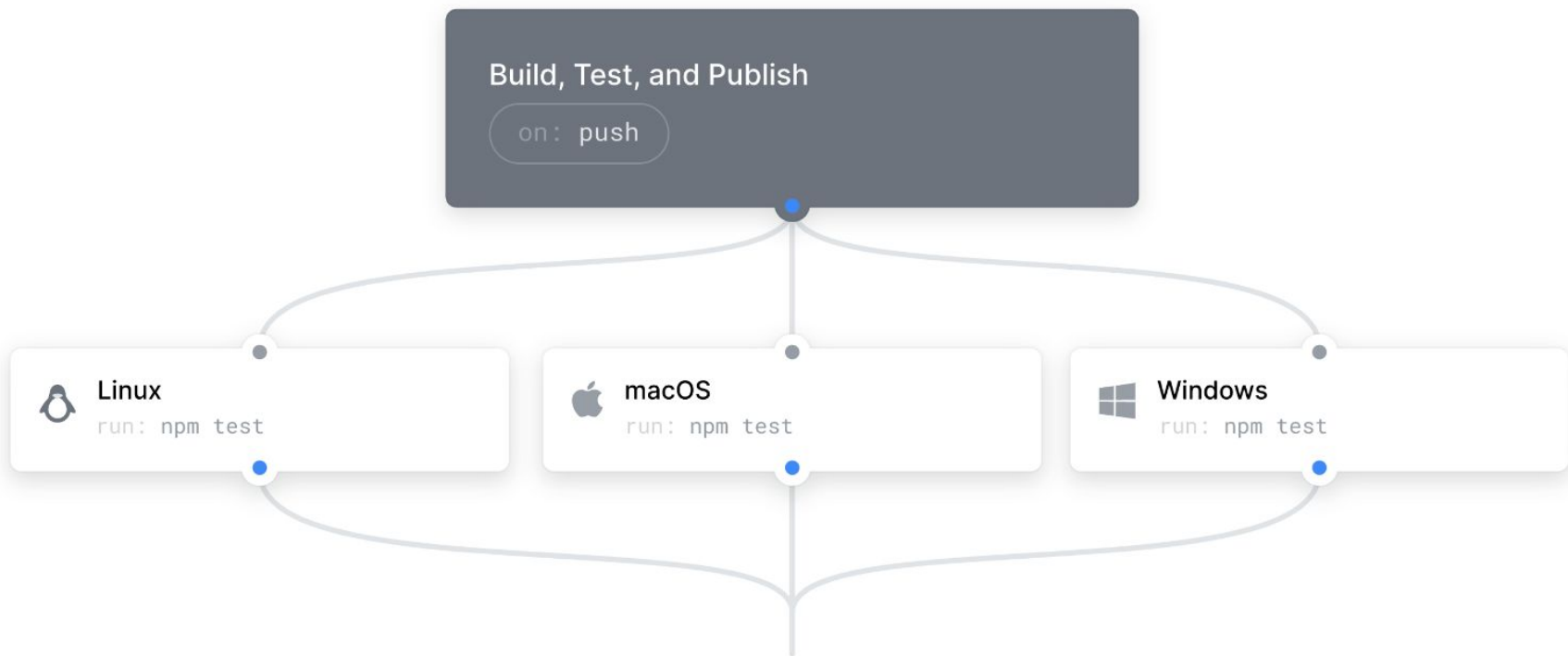
GitHub Actions makes it easy to automate all your software workflows, now with world-class CI/CD. Build, test, and deploy your code right from GitHub. Make code reviews, branch management, and issue triaging work the way you want.

[Get started with Actions](#)

Questions? [Contact Sales](#) →



# How GitHub Actions Work



# GitHub Actions Use Cases

colbyrayock / html-webpack-partials-plugin

Sponsor

Unwatch

2

Star

52

Fork

15

<> Code

Issues 5

Pull requests 1

Actions

Security

Insights

Settings

html-webpack-partials-plugin / .github / workflows / tests.yml in master

Cancel changes

Start commit

<> Edit file

Preview changes

Spaces

2

No wrap

```
1 name: Tests
2
3 on: [push, pull_request]
4
5 jobs:
6   test:
7     runs-on: ubuntu-latest
8     steps:
9       - uses: actions/checkout@v2
10      - uses: actions/setup-node@v1
11        with:
12          node-version: 10
13      - run: npm ci
14      - run: npm run test
```

Marketplace

Documentation

Search Marketplace for Actions

## Featured Actions



### Upload a Build Artifact

922

By actions

Upload a build artifact that can be used by subsequent workflow steps



### Close Stale Issues

380

By actions

Close issues and pull

@colbyfayock

# GitHub Actions Use Cases

Add more commits by pushing to the **nested-partials** branch on **vincenttaglia/html-webpack-partials-plugin**.



## All checks have passed

3 successful and 3 neutral checks

[Hide all checks](#)



### Tests / test (pull\_request)

Successful in 22s

[Details](#)



### Header rules

Completed in 3s — No header rules processed

[Details](#)



### Pages changed

Completed in 3s — All files already uploaded

[Details](#)



### Redirect rules

Completed in 3s — No redirect rules processed

[Details](#)



### Mixed content

Successful in 3s — No mixed content detected

[Details](#)



**deploy/netlify** — Deploy preview ready!

[Details](#)



## This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

@colbyfayock

# GitHub Actions Use Cases

```
1 name: CD
2
3 on:
4   push:
5     branches: [ main ]
6
7 jobs:
8   build:
9     runs-on: ubuntu-latest
10    steps:
11      - uses: actions/checkout@v2
12      - uses: actions/setup-node@v1
13        with:
14          node-version: 12
15      - run: npm install -g yarn
16      - run: yarn install --frozen-lockfile
17      - run: yarn build
18      - uses: aws-actions/configure-aws-credentials@v1
19        with:
20          aws-access-key-id: ${ secrets.AWS_ACCESS_KEY_ID }
21          aws-secret-access-key: ${ secrets.AWS_SECRET_ACCESS_KEY }
22          aws-region: us-east-1
23      - run: aws s3 sync ./out s3://colby-static-website
```

# GitHub Actions Use Cases

1 contributor

18 lines (14 sloc) 764 Bytes

Raw

Blame



```
1 name: Slack Notifications
2
3 on:
4   pull_request:
5     branches: [ master ]
6
7 jobs:
8   notifySlack:
9
10    runs-on: ubuntu-latest
11
12    steps:
13    - name: Notify slack
14      env:
15        SLACK_BOT_TOKEN: ${ secrets.SLACK_BOT_TOKEN }
16      uses: abinoda/slack-action@master
17      with:
18        args: '{"channel":"C014RMKG6H2","blocks":[{"type":"section","text":{"type":"mrkdn","text":"*Pull
```



**gitbot** APP 1:56 PM

**Pull Request:** Update README.md

**Who?:** colbyfayock

**Request State:** open

[View Pull Request](#)



Message #testing

@colbyfayock

# Custom GitHub Actions

---

# Custom GitHub Actions



GitHub Docs

← All products

GitHub Actions

QUICKSTART FOR GITHUB ACTIONS

GUIDES

LEARN GITHUB ACTIONS

MANAGING WORKFLOW RUNS

CREATING ACTIONS ^

About actions

Creating a Docker container action

Creating a JavaScript action

Creating a composite run steps

GitHub Actions / Creating actions

GitHub.com ▾

## Creating actions



You can create your own actions, use and customize actions shared by the GitHub community, or write and share the actions you build.

- [About actions](#)
- [Creating a Docker container action](#)
- [Creating a JavaScript action](#)
- [Creating a composite run steps action](#)
- [Metadata syntax for GitHub Actions](#)
- [Dockerfile support for GitHub Actions](#)

@colbyfayock

# Custom GitHub Actions

```
5 jobs:
6   test:
7     runs-on: ubuntu-latest
8     steps:
9       - uses: actions/checkout@v2
10      - uses: colbyfayock/my-cool-action@main
```

```
$ node myScript.js
```

```
const fetch = require('node-fetch');
const core = require('@actions/core'); 496 (gzipped: 301)

async function run() {
  try {
    const data = await fetch('https://colbyfayock.com/my-endpoint')
    const json = await data.json();
    // Custom Logic
  } catch(e) {
    core.setFailed(e.message);
  }
  console.log('Finished.');
```

# Applitools Eyes GitHub Action



## Applitools Eyes GitHub Action

Instantly add AI-powered visual regression testing to your site with Applitools Eyes and GitHub Actions.

*Not officially supported by Applitools*

### Getting Started

Include the package as a step directly in an Action Workflow:

```
steps:
- uses: colbyfayock/applitools-eyes-action@main
  with:
    APPLITOOLS_API_KEY: ${secrets.APPLITOOLS_API_KEY}
    baseUrl: https://demo.applitools.com/
```

The action requires 2 parameters to work:

- `APPLITOOLS_API_KEY` : your Applitools API Key (recommend to be stored in a GitHub secret)
- `baseUrl` : the URL of the website or web app that you want to test

# Applitools Eyes Visual Testing

applitools eyes Test results

Last 60 batch runs **Failed** Test results of batch: Login Form PAGE

### Step 1/2: Login Page

Test: Test Logging In

VIEW HIGHLIGHT DIFFS ANNOTATIONS AUTO MAINTENANCE ACCESSIBILITY

Scope: Default

Baseline | 1/2 Login Page  
Strict | Linux | Chrome 90.0 | 1000x660 | Desktop

Checkpoint | 1/2 Login Page  
Strict | Linux | Chrome 90.0 | 1000x660 | Desktop

## Login Form

Username

Enter your username

Password

Enter your password

Sign in Remember Me

Log in Remember Me

@colbyfayock

# Applitools Eyes Visual Testing

```
///
```

# Applitools Eyes GitHub Action



## Applitools Eyes GitHub Action

Instantly add AI-powered visual regression testing to your site with Applitools Eyes and GitHub Actions.

*Not officially supported by Applitools*

### Getting Started

Include the package as a step directly in an Action Workflow:

```
steps:
- uses: colbyfayock/applitools-eyes-action@main
  with:
    APPLITOOLS_API_KEY: ${secrets.APPLITOOLS_API_KEY}
    baseUrl: https://demo.applitools.com/
```

The action requires 2 parameters to work:

- `APPLITOOLS_API_KEY` : your Applitools API Key (recommend to be stored in a GitHub secret)
- `baseUrl` : the URL of the website or web app that you want to test

# Applitools Eyes GitHub Action



## Applitools Eyes GitHub Action

Instantly add AI-powered visual regression testing to your site with Applitools Eyes and GitHub Actions.

Not official

### Getting

Include the

steps:

- uses

with

AP

ba

steps:

- uses: colbyfayock/applitools-eyes-action@main

with:

APPLITOOLS\_API\_KEY: \${secrets.APPLITOOLS\_API\_KEY}

baseUrl: https://demo.applitools.com/

The action requires 2 parameters to work:

- APPLITOOLS\_API\_KEY : your Applitools API Key (recommend to be stored in a GitHub secret)
- baseUrl : the URL of the website or web app that you want to test

# Applitoools Eyes GitHub Action



## Applitoools Eyes GitHub Action

Instantly

Not offici

Gettin

Include th

steps:

- uses

with

AP

ba

```
steps:
```

```
- uses: colbyfayock/applitoools-eyes-action@main
```

```
  with:
```

```
    APPLIT00LS_API_KEY: ${secrets.APPLIT00LS_API_KEY}}
```

```
    baseUrl: https://spacejelly.dev
```

```
29 [Applitoools Eyes Action] Found baseUrl: https://spacejelly.dev
```

```
30 [Applitoools Eyes Action] Crawling https://spacejelly.dev
```

The action requires 2 parameters to work:

- APPLIT00LS\_API\_KEY : your Applitoools API Key (recommend to be stored in a GitHub secret)
- baseUrl : the URL of the website or web app that you want to test

# Applitoools Eyes GitHub Action



## Applitoools Eyes GitHub Action

### sitemap-generator

8.5.1 • Public • Published 8 months ago

 Readme

 Explore BETA

 10 Dependencies

 14 Dependents

 61 Versions

## Sitemap Generator

build passing dependencies up to date npm v8.5.1

Easily create XML sitemaps for your website.

Generates a sitemap by crawling your site. Uses streams to efficiently write the sitemap to your drive and runs asynchronously to avoid blocking the thread. Is capable of creating multiple sitemaps if threshold is reached. Respects robots.txt and meta tags.

### Install

```
> npm i sitemap-generator
```

### Weekly Downloads

8,338



### Version

8.5.1

### License

MIT

- `APPLIT00LS_API_KEY` : your Applitoools API Key (recommend to be stored in a GitHub secret)
- `baseUrℓ` : the URL of the website or web app that you want to test

# Applitools Eyes GitHub Action



## Applitools Eyes GitHub Action

```
try {
  results = await cypress.run({
    browser: cypressBrowser,
    config: {
      baseUrl
    },
    env: {
      APPLITOOLS_APP_NAME: appName,
      APPLITOOLS_BATCH_NAME: batchName,
      APPLITOOLS_SERVER_URL: serverUrl,
      APPLITOOLS_IGNORE_SELECTOR: ignoreSelector,
      PAGES_TO_CHECK: pagesToCheck
    },
    headless: true,
    record: false,
  });
}
```

- baseUrl: the URL of the website or web app that you want to test

# Applitools Eyes GitHub Action

```
const eyesConfig = {
  appName: Cypress.env('APPLITOOLS_APP_NAME'),
  batchName: Cypress.env('APPLITOOLS_BATCH_NAME'),
  serverUrl: Cypress.env('APPLITOOLS_SERVER_URL'),
}

const ignore = Cypress.env('APPLITOOLS_IGNORE_SELECTOR');

pagesToCheck.forEach((route) => {
  it(`Visual Diff for ${route}`, () => {
    cy.eyesOpen(eyesConfig);

    cy.visit(route);

    cy.eyesCheckWindow({
      tag: route,
      ignore
    });
  });
});
```

# Applitools Eyes GitHub Action



## Applitools Eyes GitHub Action

Instantly add AI-powered visual regression testing to your site with Applitools Eyes and GitHub Actions

Not



github-actions bot commented 16 days ago



1 visual test has completed.

✅ Passed: 1 / 1

❌ Failed: 0 / 1

⚠️ Unresolved: 0 / 1

[Log in at applitools.com](#) for more details!

Incl

s

-

The action requires 2 parameters to work.

- APPLITOOLS\_API\_KEY : your Applitools API Key (recommend to be stored in a GitHub secret)
- baseUrl : the URL of the website or web app that you want to test

With the help of

# Applitools Eyes GitHub Action

```
9  jobs:
10    test:
11      runs-on: ubuntu-latest
12      steps:
13      - name: Waiting for 200 from the Netlify Preview
14        uses: jakepartusch/wait-for-netlify-action@v1.2
15        id: demo
16        with:
17          site_name: "demo-eyes-actions-netlify"
18
19      - uses: colbyfayock/applitools-eyes-action@main
20        with:
21          GITHUB_TOKEN: ${ secrets.GITHUB_TOKEN }
22          APPLITOOLS_API_KEY: ${ secrets.APPLITOOLS_API_KEY }
23          APPLITOOLS_BATCH_ID: ${ github.sha }
24          appName: Demo Eyes Actions Netlify
25          baseUrl: ${ steps.demo.outputs.url }
26          depth: 2
```

# Applitools Eyes GitHub Action



## Applitools Eyes GitHub Action

Instantly add AI-powered visual regression testing to your site with Applitools Eyes and GitHub Actions.

*Not officially supported by Applitools*

### Getting Started

Include the package as a step directly in an Action Workflow:

```
steps:
- uses: colbyfayock/applitools-eyes-action@main
  with:
    APPLITOOLS_API_KEY: ${secrets.APPLITOOLS_API_KEY}
    baseUrl: https://demo.applitools.com/
```

The action requires 2 parameters to work:

- `APPLITOOLS_API_KEY` : your Applitools API Key (recommend to be stored in a GitHub secret)
- `baseUrl` : the URL of the website or web app that you want to test

# Other Examples

# Content Reminder

☰ README.md



## Content Reminder

For all the content I can make, the one thing I always forget to do is continue sharing it past it's launch date.

While there are automation tools that allow you to automatically Tweet RSS feeds or schedule recurring content, it's not quite the same as putting together a hand crafted update, also those solutions are typically pretty expensive.

### What does this do?

Content Reminder is a relatively simple script that aggregates different sources of content links, piles them all together, shuffles them, then using a GitHub Action workflow, sends you an email at the frequency you choose with a new suggested link to share.

### Getting Started

#### Requirements

- SendGrid account - this sends the mail, you could optionally swap the code in `./src/lib/mail.js` to something else

# Content Reminder

```
1 name: Update
2
3 on:
4   schedule:
5     - cron: "0 14 * * *"
6     - cron: "0 20 * * *"
7   workflow_dispatch:
8
9 jobs:
10  update:
11    runs-on: ubuntu-latest
12    steps:
13      - uses: actions/checkout@v2
14
15      - uses: actions/setup-node@v1
16        with:
17          node-version: 12
18
19      - run: yarn install --frozen-lockfile
20
21      - run: node src/main.js
22    env:
23      SENDGRID_API_KEY: ${ secrets.SENDGRID_API_KEY }
24      MAIL_TO: ${ secrets.MAIL_TO }
25      MAIL_FROM: ${ secrets.MAIL_FROM }
26
27      - uses: mikeal/publish-to-github-action@master
```



4 of 10



## New Content to Share: How to Create a Custom GitHub Action with Node & JavaScript

Inbox x



hello@colbyfayock.com

Sun, A

to me ▼

Title: How to Create a Custom GitHub Action with Node & JavaScript

Link: [https://spacejelly.dev/posts/how-to-create-a-custom-github-action-with-](https://spacejelly.dev/posts/how-to-create-a-custom-github-action-with-node-and-javascript)

Date Published: Fri, 05 Feb 2021 00:02:17 GMT

From Space Jelly <https://spacejelly.dev>

↩ Reply

➡ Forward

@colbyfayock

# Invite Collaborator

## Invite collaborator based on a comment

This is an Action that invites collaborators to a team based comment.

### Usage

This actions will check for comments on issues for eight ".invite me" or ".invite @handle". You can set SELF\_INVITE to false to disable ".invite me" checks ( defaults to true )

An ORG name and Team Id is needed. You can find your Team Id by using curl.

```
curl -H "Authorization: token <very-long-access-token>" https://api.github.com/orgs/<org-name>
```

**Note:** due to permission limitations for contributors without write access, the default `secrets.GITHUB_TOKEN` cannot be leveraged for this action. You will need to provide your own GitHub token to the `GITHUB_TOKEN` environment variable.

```
on:
  issue_comment:
    types: [created]
name: Invite a new collaborator
```

No packages published

### Contributors 2

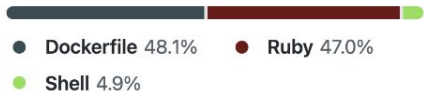


**bdougie** Brian Douglas



**jmertic** John Mertic

### Languages



# Invite Collaborator

```
1  require "octokit"
2  require "json"
3
4  # Each Action has an event passed to it.
5  event = JSON.parse(File.read(ENV['GITHUB_EVENT_PATH']))
6  comment = event["comment"]["body"]
7  org = ENV['ORG']
8  team_id = ENV['TEAM_ID']
9  commenter = event["comment"]["user"]["login"]
10 self_invite = defined?(ENV['SELF_INVITE']) == nil ? true : ENV['SELF_INVITE']
11
12 puts "-----"
13
14 # Use GITHUB_TOKEN to interact with the GitHub API
15 client = Octokit::Client.new(access_token: ENV['GITHUB_TOKEN'])
16
17 if comment.include?(".invite") && comment.split().length == 2
18   cmd, handle = comment.split
19
20   user = ( handle == "me" && self_invite ? commenter : handle.tr('@', ''))
21   exit(78) if ( user == commenter ) && self_invite
22
23   puts "USER: #{user}"
24
25   exit(78) if client.organization_member?(org, user)
26
27   client.add_team_membership(team_id, user)
28 end
```

# Lighthouse CI Action

[Marketplace](#) / [Actions](#) / Lighthouse CI Action



GitHub Action

## Lighthouse CI Action

v7

Latest version

Use latest version

## Lighthouse CI Action

Audit URLs using [Lighthouse](#) and test performance with [Lighthouse CI](#).

This action integrates Lighthouse CI with Github Actions environment. Making it simple to see failed tests, upload results, run jobs in parallel, store secrets, and interpolate env variables.

It is built in collaboration between Lighthouse Team, Treo (web performance monitoring company), and many excellent contributors.

### Features:

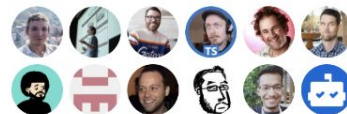
- ✓ Audit URLs using Lighthouse v6
- 🚀 Test performance with Lighthouse CI assertions or performance budgets

### Stars

☆ Star

690

### Contributors



### Categories

Continuous integration

Monitoring

### Links

@colbyfayock

# Lighthouse CI Action

```
1  [
2    {
3      "path": "/*",
4      "resourceSizes": [
5        {
6          "resourceType": "document",
7          "budget": 18
8        },
9        {
10         "resourceType": "total",
11         "budget": 200
12       }
13     ]
14   ]
```

budget.json

```
14 - name: Audit URLs using Lighthouse
15   uses: treosh/lighthouse-ci-action@v7
16   with:
17     urls: |
18       https://spacejelly.dev
19     budgetPath: '.github/lighthouse/budget.json'
20     uploadArtifacts: true
    temporaryPublicStorage: true
```

workflow.yml

✖ lighthouse

32s

## Annotations

1 error

✖ lighthouse

2 results for https://spacejelly.dev/

Report: https://storage.googleapis.com/lighthouse-infrastructure.appspot.com/

✖ `resource-summary.document.size` failure for `maxNumericValue` assertion  
https://web.dev/use-lighthouse-for-performance-budgets/ )  
Expected <= 18432, but found 129109

✖ `resource-summary.total.size` failure for `maxNumericValue` assertion  
https://web.dev/use-lighthouse-for-performance-budgets/ )  
Expected <= 204800, but found 1347149

[Show less](#)

@colbyfayock

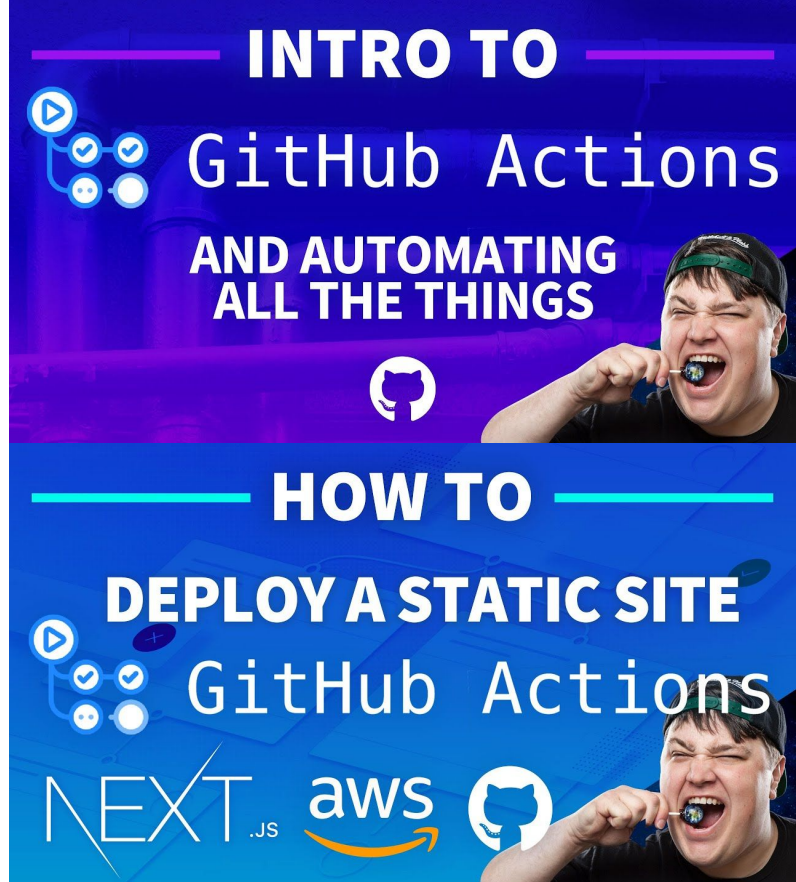
# **Automate All the Things!**



# Create a New Github Action to Automate Code Tasks with Javascript

Course by  Colby Fayock  
9 video lessons, 16m

[colbyfayock.com/egghead-actions](https://colbyfayock.com/egghead-actions)



[youtube.com/colbyfayock](https://youtube.com/colbyfayock)

@colbyfayock

# FROM DESIGN TO DEVELOPMENT CRASH COURSE

fromdesignto.dev



# Colby Fayock

Developer Advocate



@colbyfayock



# Thank You

[colbyfayock.com/mdc-github-actions](https://colbyfayock.com/mdc-github-actions)