Scaling WordPress

with

Next.js

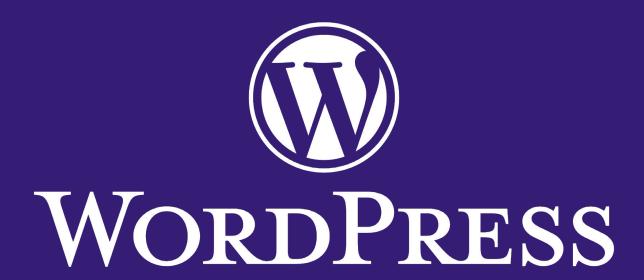
Colby Fayock

Developer Advocate

∢ applitools

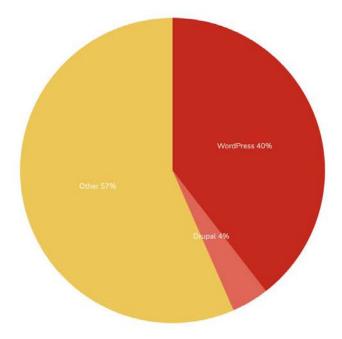
@colbyfayock





CMS Usage Distribution in the Top 1 Million Sites

Distribution for websites using CMS technologies



Explain Chart

Technology	Websites	%
WordPress	346,776	34.68
₾ Drupal	34,573	3.46
Google Search Appliance	25,782	2.58

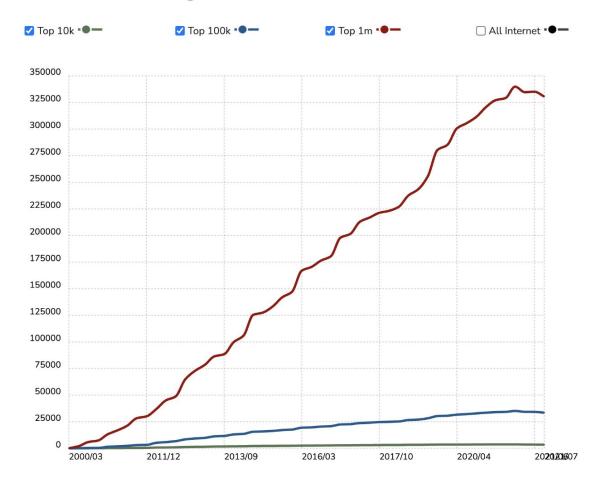
876,862 Detections

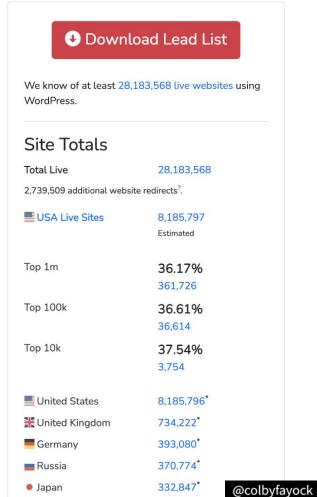
of Content Management System in the Top 1 Million Sites. Last updated 26th May 2021.

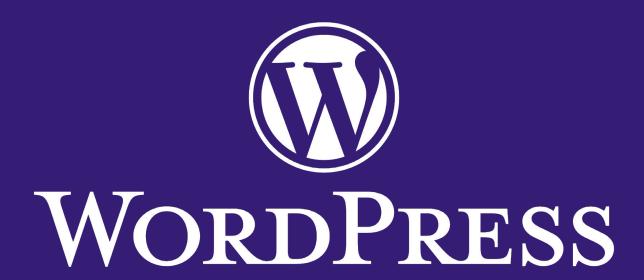
WordPress is currently the most popular technology in this category.

Top 1m	876,862		
Top 1,000,000 sites by traffic			
Top 100k	143,999		
Top 100,000 sites by traffic			
Top 10k	21,792		
Top 10,000 sites by traffic			
Entire Internet	63,596,048		
 India	444,805		
United States	24,312,838		
Germany	2,618,150		
₩ United Kingdom	2,019,342		
Russia	1,430,983		
Italy	889,070		
France	835,638		
Netherlands	783,992		
l•l Canada	804,768		
Australia	675,790		
Brazil	535,143		
Spain	514,679		
Japan	435,872		
- Poland	332,601		

WordPress Usage Statistics

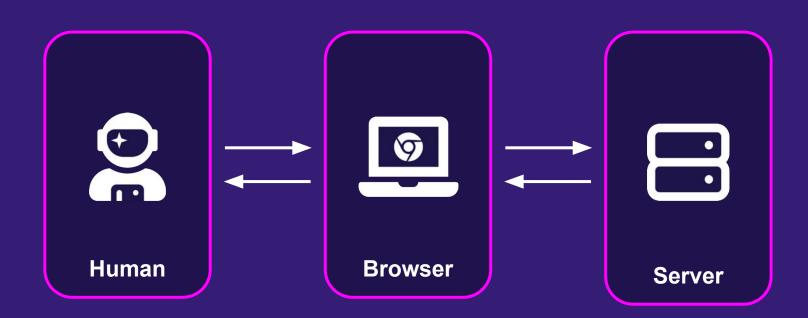




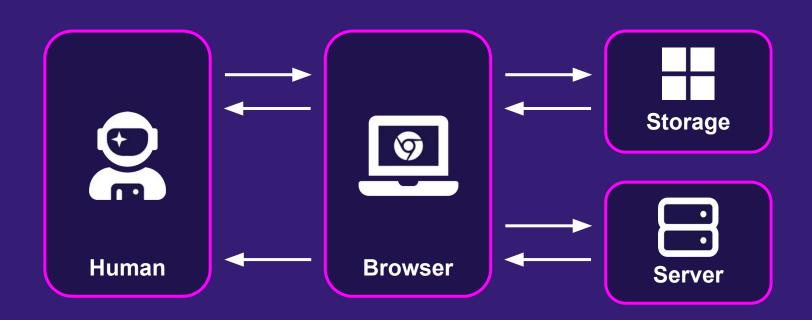


What is "headless"?

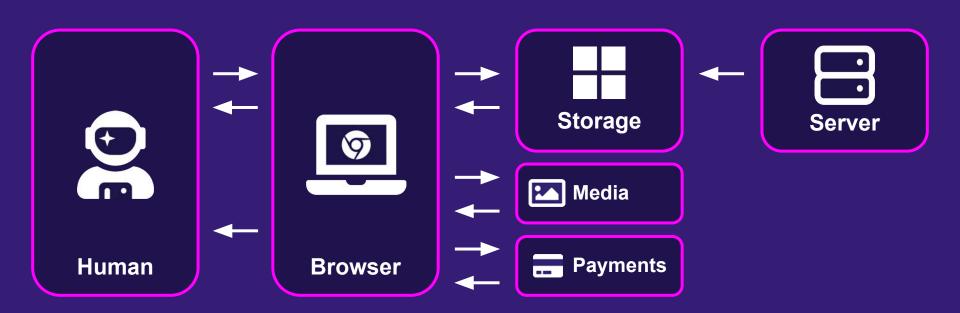
Traditional



Headless



Headless + Static

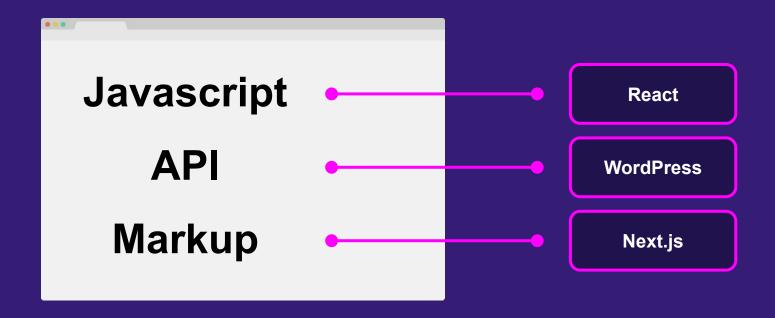


What is "Jamstack"?

Jamstack

Javascript API Markup

Jamstack



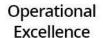
Why headless?

Why Jamstack?

Why not regular WordPress?

Jamstack







Security



Reliability



Performance Efficiency



Cost Optimization



Performance

Plugins

My Favorites Beta Testing Developers

cache

Q

Showing results for: cache

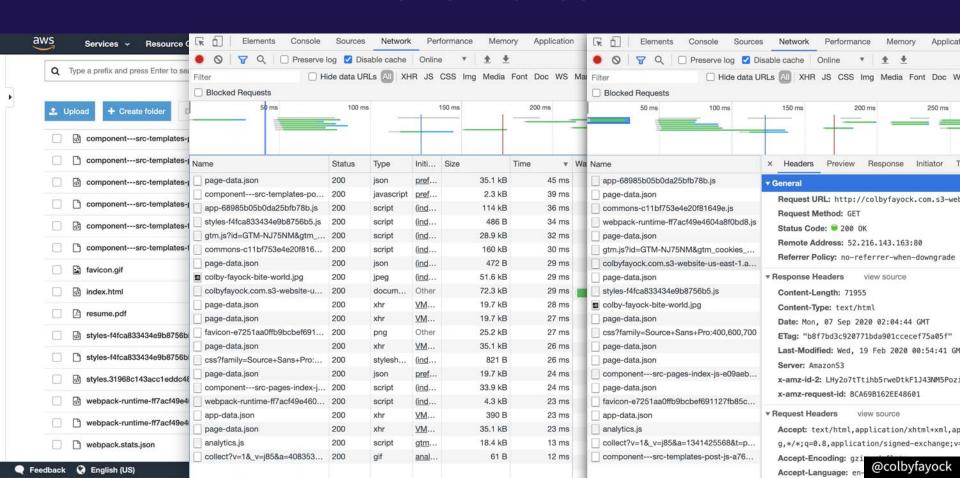








Performance



Reliability

5×× SERVER ERROR

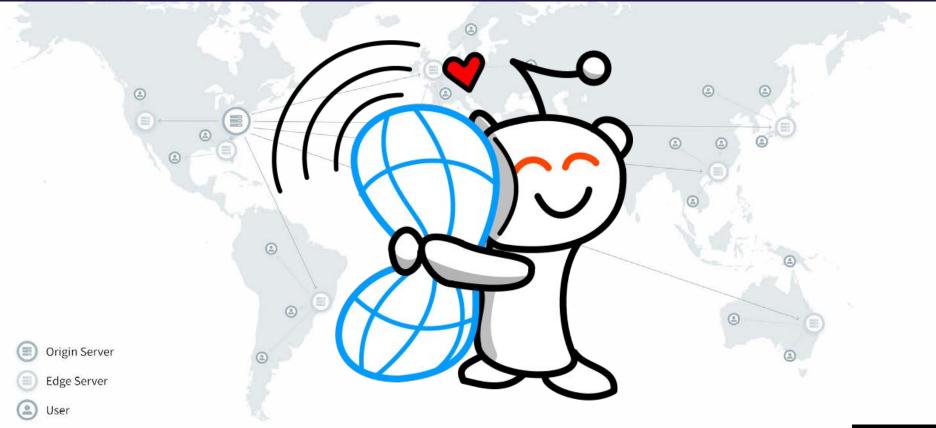
503 SERVICE UNAVAILABLE

The server is currently unable to handle the request due to a temporary overload or scheduled maintenance, which will likely be alleviated after some delay.

Reliability



Reliability



Cost



Cost

				Stora	ge pricing
S3 Standard - accessed data	General purpose stora	age for any type of data	a, typically used for fre	equently	
First 50 TB / M	lonth			\$0.02	3 per GB
Next 450 TB /	Month			\$0.02	22 per GB
Over 500 TB /	Month			\$0.02	21 per GB
	PUT, COPY, POST, LIST requests (per 1,000 requests)	GET, SELECT, and all other requests (per 1,000 requests)	Lifecycle Transition requests (per 1,000 requests)	Data Retrieval requests (per 1,000 requests)	Data retrievals (per GB)
S3 Standard	\$0.005	\$0.0004	n/a	n/a	n/a

Why "headless" WordPress?

What's WordPress good at?

User Experience

What's WordPress good at?

User Experience

Familiarity

What's WordPress good at?

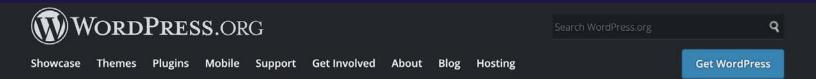
User Experience

Familiarity

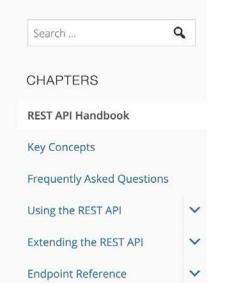
Ecosystem

How about WordPress?!

WordPress API



REST API Handbook



Browse: Home / REST API Handbook

REST API Handbook OEdit

The WordPress REST API provides an interface for applications to interact with your WordPress site by sending and receiving data as JSON (JavaScript Object Notation) objects. It is the foundation of the WordPress Block Editor, and can likewise enable your theme, plugin or custom application to present new, powerful interfaces for managing and publishing your site content.

TOPICS

What Is A REST API?

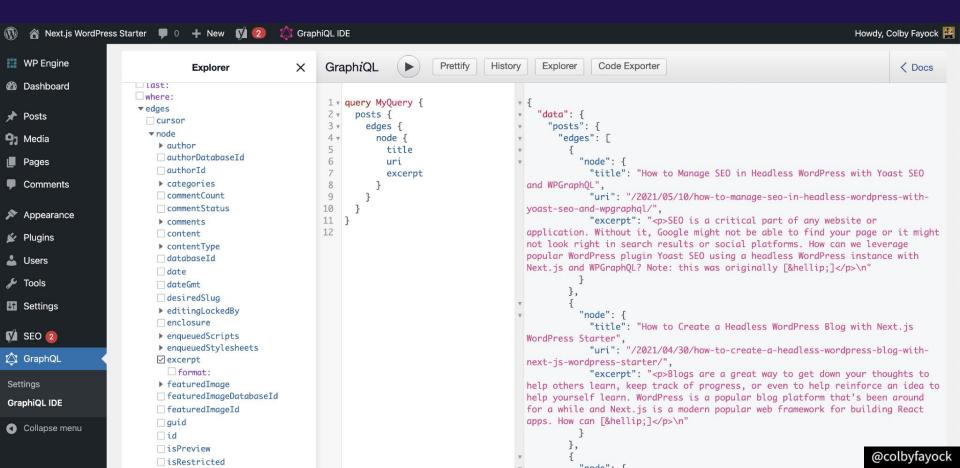
Using the WordPress REST API

Next Steps

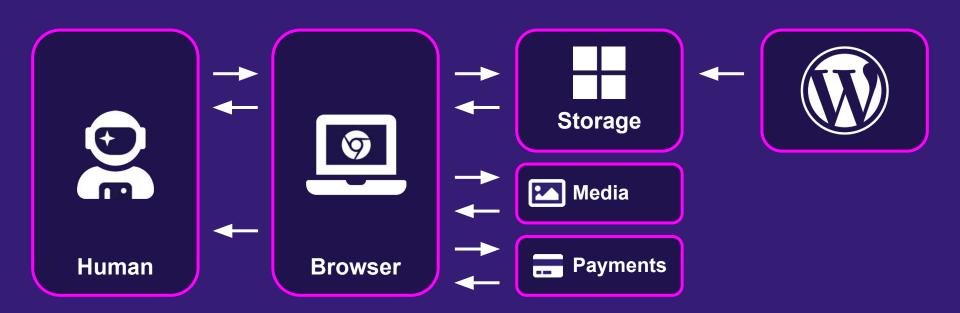
Using the WordPress REST API you can create a plugin to provide an entirely new admin experiences for WordPress, build a brand new interactive front-end experience, or bring your WordPress content into completely separate applications.

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WPGraphQL



Static WordPress







Gatsby SVELTEKIT





























Live



The React Framework for Production

Next.js gives you the best developer experience with all the features you need for production: hybrid static & server rendering, TypeScript support, smart bundling, route pre-fetching, and more. No config needed.

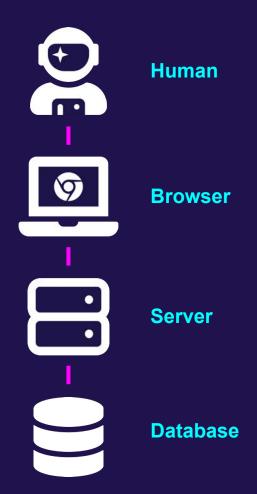
> Start Learning Documentation

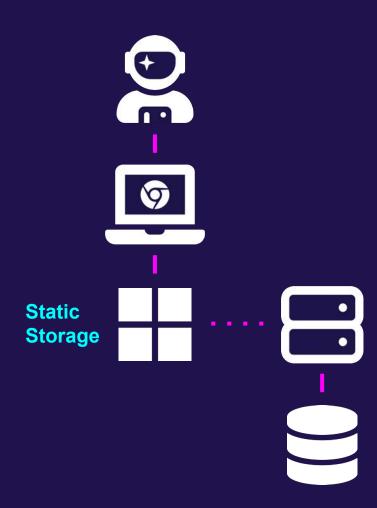
> > License: MIT GitHub

getServerSideProps

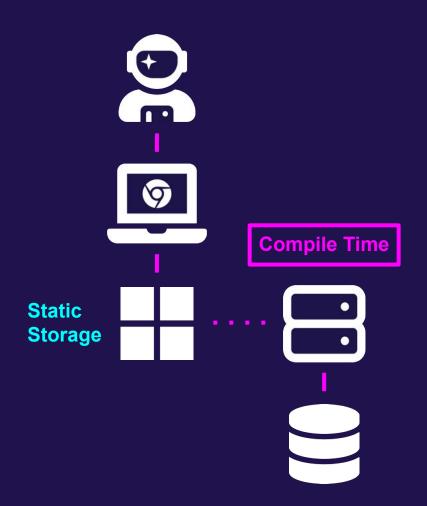
getStaticProps

getServerSideProps





getStaticProps



getStaticProps

Next.js WordPress Starter

Next.is WordPress Starter

Docs

About

GitHub

wordpress

Next.js WordPress

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

How to Manage SEO in Headless WordPress with Yoast SEO and WPGraphQL

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 a while and Next.js is a modern popular web framework for building React apps. How can...

@colbyfayock

Homepage

```
export async function getStaticProps() {
  const { posts } = await getAllPosts();
  return {
    props: {
      posts: posts.sort((post) => (post.i
export default function Home({ posts }) {
 const { metadata = {} } = useSite();
 const { title, description } = metadata;
```

Next.js WordPress Start

Scaling WordPress to the static web!

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

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

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WordPress and JavaScript-based frameworks like Next.js and Gatabase an

Homepage

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       };
   };
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WordPress and JavaScript-based frameworks like Next.js and Gachage and Gacolbyfayock delivering a great CMS editing experience with a fast and perform

Post Page

```
export async function getStaticPaths() {
  const { posts } = await getAllPosts();

const paths = posts.map((post) => {
  const { slug } = post;
  return {
   params: { slug }
}
```

How to Automate Deploym on Content Change in WordPress with WP Webh and Netlify

```
By Colby Fayock July 8th, 2021 Content, Deploying, Tutorial
```

```
export async function getStaticProps({ params = {} }
const { post } = await getPostBySlug(params?.slug)
const socialImage = `/images/${params?.slug}.png`;
```

Post Page

```
export async function getStaticPaths() {
  const { posts } = await getAllPosts();

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Post Page

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```

```
export async function getStaticProps({ params = {} }
const { post } = await getPostBySlug(params?.slug)

const socialImage = `/images/${params?.slug}.png`;
```

Clientside Search

```
async index(compilation, options) {
                                                                              Docs
                                                                                    About
                                                                                           GitHub
                                                                                                   wpgraphql
  const {
     host,
                                                                         How to Add Custom Fields in Headless WordPress with ACF
                                                                         & WPGraphQL
     outputDirectory = DEFAULT_OUTPUT_DIRECTORY,
                                                                         How to Manage SEO in Headless WordPress with Yoast SEO
     outputName = DEFAULT OUTPUT NAME
                                                                         and WPGraphQL
    = options;
                                                             VordPress to the static web!
  if ( typeof host !== 'string' ) {
     throw new Error(`Failed to compile search i
                                                             Press Blog with Next.js WordPress Starter
  const outputLocation = path.join(outputDirect
                                                             tting Started and more
  const data = await fetch(`${host}${WORDPRESS_thoughts to help others learn, keep track of progress, or even
  const posts = await data.json();
                                                             f learn. WordPress is a popular blog platform that's been
                                                             ern popular web framework for building React apps. How @colbyfayock
```

Clientside Search

```
= options;
                                                         generated: 1631713626180,
                                                       - posts: [
if ( typeof host !== 'string' ) {
                                                                title: "How to Automate Deployments on Con
  throw new Error(`Failed to compile search i
                                                                slug: "how-to-automate-deployments-on-cont
                                                                date: "2021-07-08T15:51:30"
const outputLocation = path.join(outputDirect
                                                                title: "How to improve your development ex
                                                                slug: "how-to-improve-development-experient
                                                                date: "2021-06-29T20:00:57"
const data = await fetch(`${host}${WORDPRESS
const posts = await data.json();
                                                                title: "How to Add Custom Fields in Headle
                                                                slug: "how-to-add-custom-fields-in-headles
                                                                date: "2021-06-25T12:39:39"
const index = posts.map((post = {}) => {
  return {
                                                                title: "Exposing WordPress Data Without th
    title: post.title.rendered,
                                                                slug: "exposing-the-wp-data-without-the-ma
                                                                date: "2021-06-14T19:26:20"
    slug: post.slug,
                                                            },
    date: post.date
                                                                                            @colbyfayock
                                                                title: "How to Manage SEO in He
```

Clientside Search

```
Docs
                                                                                            About
                                                                                                   GitHub
                                                                                                             wpgraphql
  generated: 1631713626180,
- posts: [
   - {
                                                                                How to Add Custom Fields in Headless WordPress with ACF
          title: "How to Automate Deployments on Content Char
                                                                                & WPGraphQL
          slug: "how-to-automate-deployments-on-content-chance
          date: "2021-07-08T15:51:30"
                                                                                How to Manage SEO in Headless WordPress with Yoast SEO
     },
                                                                                and WPGraphQL
          title: "How to improve your development experience
          slug: "how-to-improve-development experience-with-WordPress to the static web!
          date: "2021-06-29T20:00:57"
      },
          title: "How to Add Custom Fields in Headless WordPr
          slug: "how-to-add-custom-fields-in-headless-wordpre
          date: "2021-06-25T12:39:39"
                                                                                                                      0
                                                                   IPress Blog with Next.js WordPress Starter
     },
          title: "Exposing WordPress Data Without the Markup ting Started and more
          slug: "exposing-the-wp-data-without-the-markup",
                                                                   thoughts to help others learn, keep track of progress, or even
          date: "2021-06-14T19:26:20"
                                                                   f learn. WordPress is a popular blog platform that's been
      },
                                                                  ern popular web framework for building React apps. How @colbyfayock
          title: "How to Manage SEO in Headless WordPress wit
```

Static WordPress

Next.is WordPress Starter About GitHub

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



By Colby Fayock

April 30th, 2021 Getting Started, Tutorial



Static WordPress

Next.js WordPress Starter

Docs About GitHub



Static WordPress







Demo

Demo

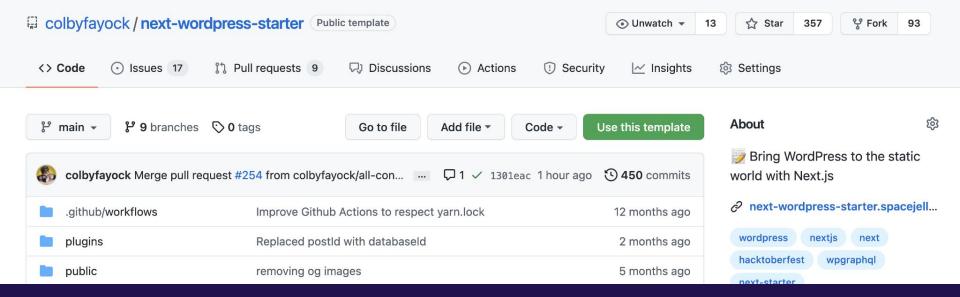
Review WordPress Instance
Set up Next.js WordPress Starter
Set up Basic Next.js WP Starter
Dig In to the Code



Demo

- Review WordPress Instance
- Set up Next.js WordPress Starter
- Set up Basic Next.js WP Starter
- Dig In to the Code









spacejelly.dev/levelupecommerce

Colby Fayock

Developer Advocate

∢ applitools

@colbyfayock



Thank You

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