

## Twitter Thread by [Colby Fayock](#)



**[Colby Fayock](#)**

[@colbyfayock](#)



**Next.js has taken the web dev world by storm**

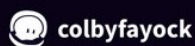
**It's the [@reactjs](#) framework devs rave about praising its power, flexibility, and dev experience**

**Don't feel like you're missing out!**

**Here's everything you need to know in 10 tweets**

**Let's dive in ■**

**NEXT**.JS  
**in 10 Tweets**



[@reactjs](#) Next.js is a [@reactjs](#) framework from [@vercel](#)

It couples a great dev experience with an opinionated feature set to make it easy to spin up new performant, dynamic web apps

It's used by many high-profile teams like [@hulu](#), [@apple](#), [@Nike](#), & more

<https://t.co/whCdm5ytuk>



[@reactjs](#) [@vercel](#) [@hulu](#) [@Apple](#) [@Nike](#) The team at [@vercel](#), formerly Zeit, originally and launched v1 of the framework on Oct 26, 2016 in the pursuit of universal JavaScript apps

Since then, the team & community has grown exponentially, including contributions from giants like [@Google](#)

<https://t.co/xPPTOtHoKW>

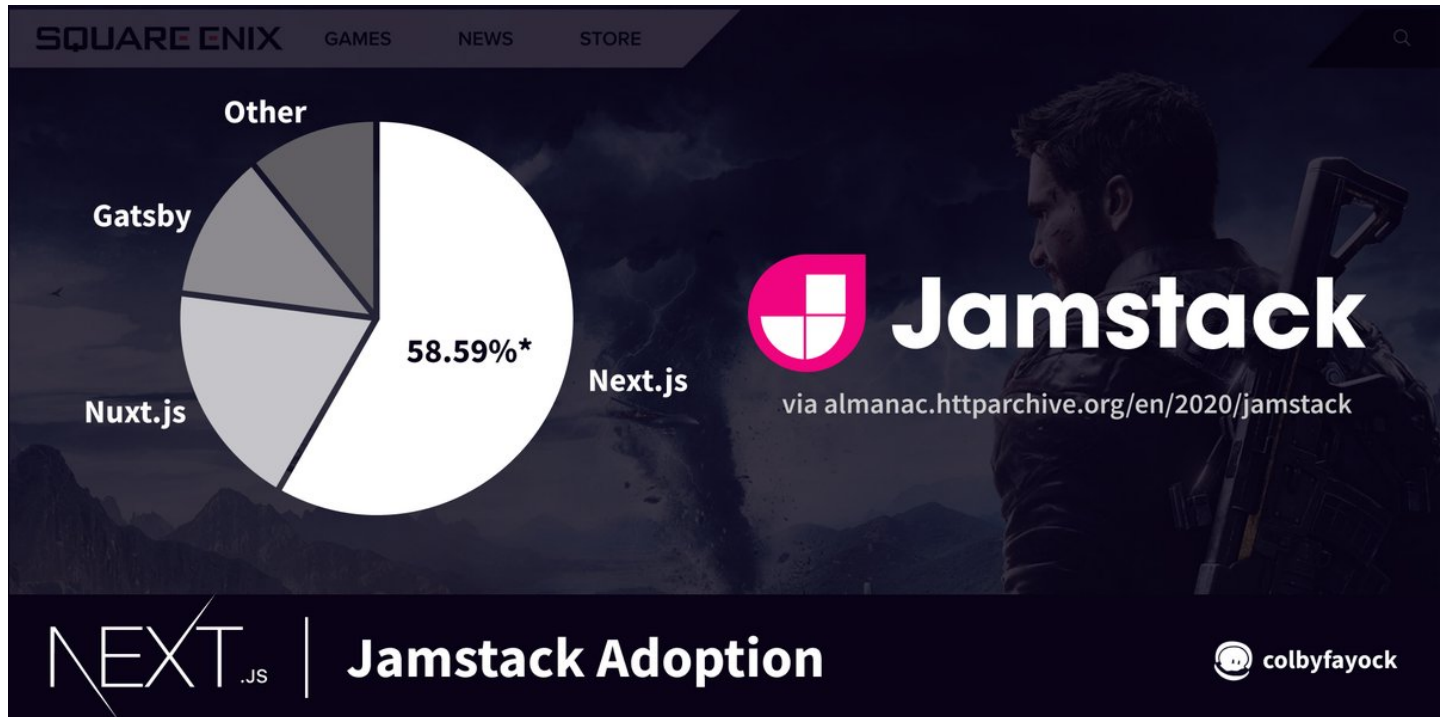


[@reactjs](#) [@vercel](#) [@hulu](#) [@Apple](#) [@Nike](#) [@Google](#) In the #jamstack world, Next.js pulled a hefty 58.6% share of framework adoption in 2020

Compared to other popular [@reactjs](#) frameworks like Gatsby, which pulled in 12%

\*The Next.js stats likely include some SSR, arguably not Jamstack

<https://t.co/acNawfcM4z>



[@reactjs](#) [@vercel](#) [@hulu](#) [@Apple](#) [@Nike](#) [@Google](#) The easiest way to get started with a new Next.js app is with Create Next App

Simply run:

```
yarn create next-app
```

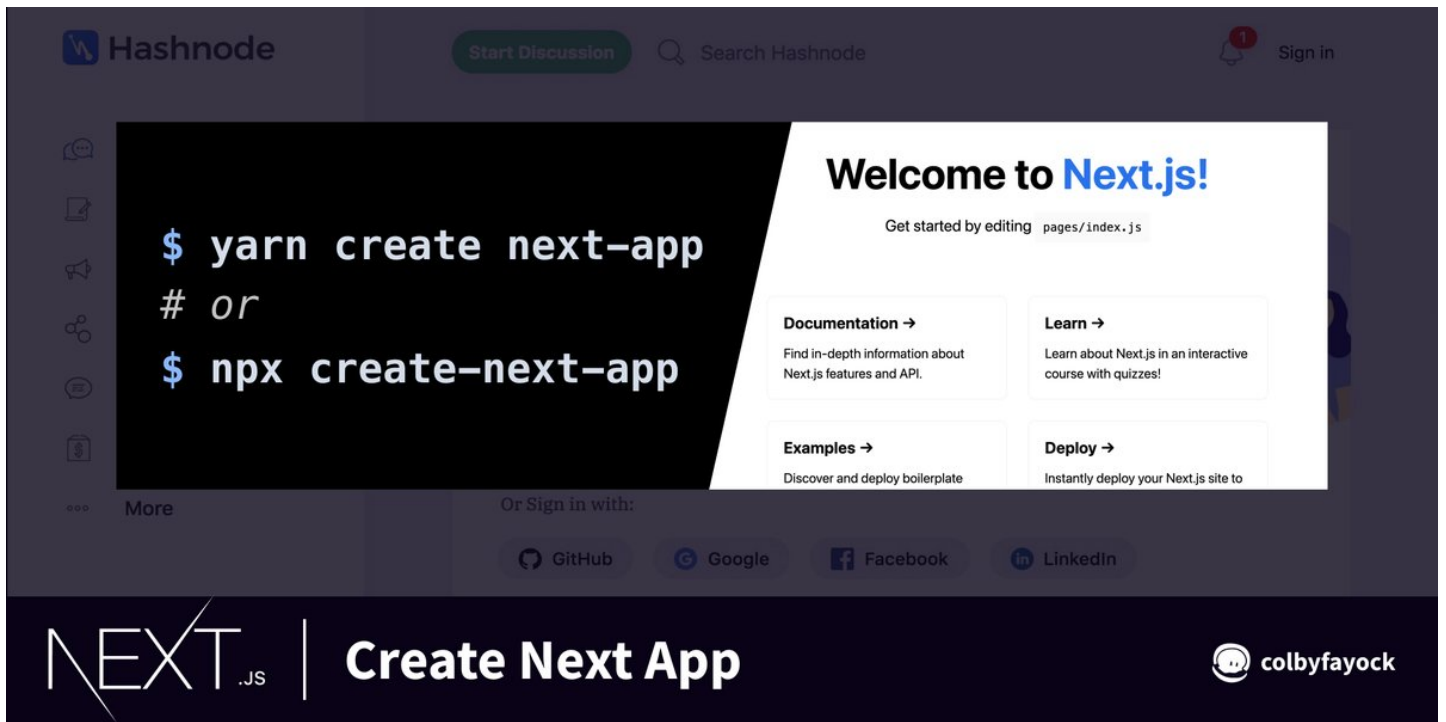
or

```
npm create-next-app
```

You can even start from a git-based template with the -e flag

```
yarn create next-app -e https://t.co/JMQ87gi1ue
```

<https://t.co/rwKhp7zlys>



[@reactjs](#) [@vercel](#) [@hulu](#) [@Apple](#) [@Nike](#) [@Google](#) Next.js uses a file-system based router

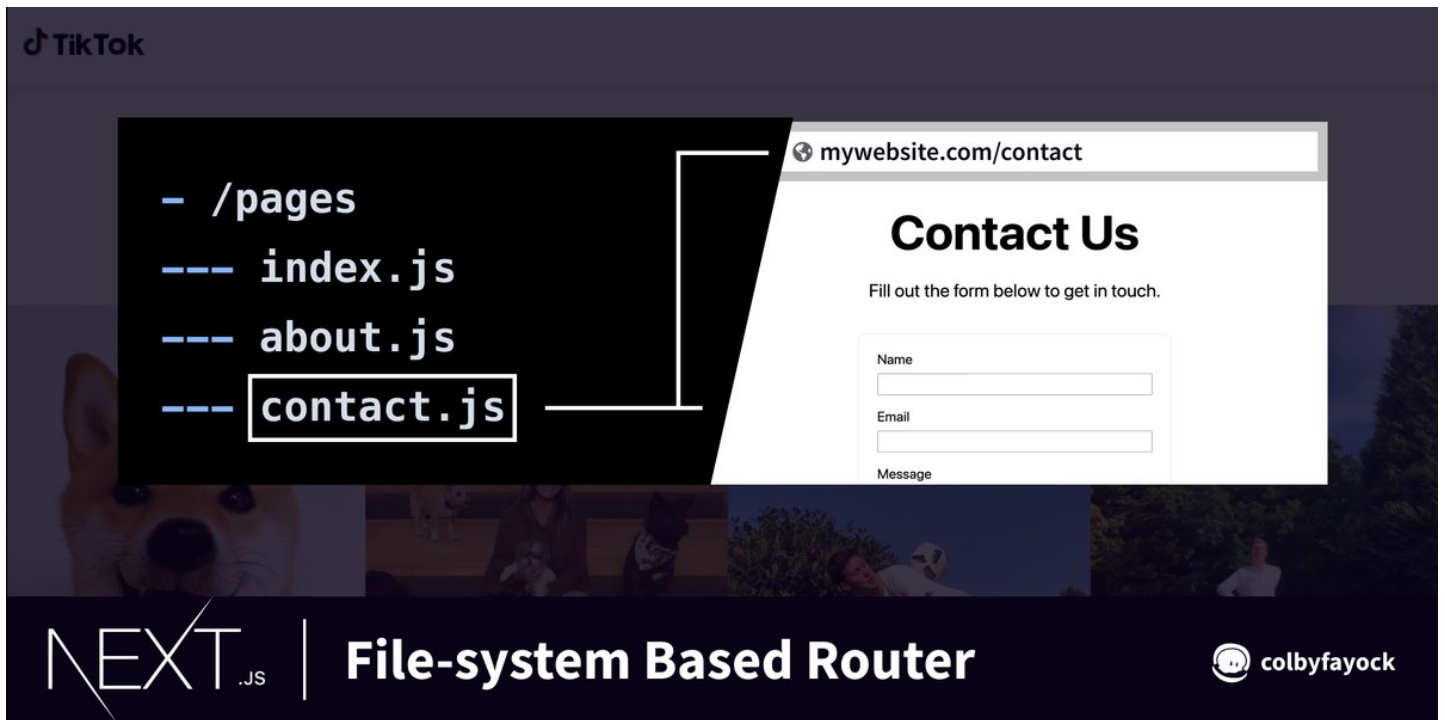
Meaning the files you create and their names, are what's used to create your website pages

/pages/index.js  
=> / (homepage)

/pages/about.js  
=> /about (About)

You can also add dynamic routes for more complex apps

<https://t.co/9Wx8IHwMai>



TikTok

- /pages
- index.js
- about.js
- **contact.js**

mywebsite.com/contact

## Contact Us

Fill out the form below to get in touch.

Name

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NEXT.JS | **File-system Based Router**

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[@reactjs](#) [@vercel](#) [@hulu](#) [@Apple](#) [@Nike](#) [@Google](#) The foundation of Next.js comes from SSR

SSR = Server Side Rendering

On each browser request, Next.js renders the React page and serves the HTML to the browser

If any data is needed, `getServerSideProps` can be used to fetch dynamic data during render

<https://t.co/oYeF5vOAtr>

```
export async function getServerSideProps({ params }) {
  const product = await getProductById(params.productId);
  return {
    props: {
      product
    }
  }
}
```

**props: {  
product  
}**

Props are passed to page component

## SSR

### Server Side Rendering

Good for content that needs be personalized or highly dynamic.

Ex: `product.price`

NEXT.JS | **Server Side Rendering**

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[@reactjs](#) [@vercel](#) [@hulu](#) [@Apple](#) [@Nike](#) [@Google](#) It's also capable of SSG

SSG = Static Site Generation

`next export` takes the Next.js website, renders the project similar to how it would on the server, and saves it as static files and assets

getStaticProps allows you to fetch data at build time



<https://t.co/Ad7AHqx2QY>

```
export async function getStaticProps({ params }) {  
  const product = await getProductById(params.productId);  
  return {  
    props: {  
      product  
    }  
  }  
}
```

**SSG**  
**Static Site Generation**

Good for content that can be static and the same for all types of visitors.

Ex: `product.title`

 **Static Site Generation** 

[@reactjs](#) [@vercel](#) [@hulu](#) [@Apple](#) [@Nike](#) [@Google](#) There's also a hybrid approach with ISR

ISR = Incremental Static Regeneration

Caching mechanisms serve pages statically while refreshing stale content in the background on the server

Setting `revalidate` on `getStaticProps` defines how often it refreshes

<https://t.co/NOE4tmB1DK>

```
export async function getStaticProps({ params }) {
  const product = await getProductById(params.productId);
  return {
    props: { product },
    revalidate: 1
  }
}
```

Seconds to wait before re-generating the page

## ISR

### Incremental Static Regeneration

Good for content that can be static, but should update frequently.

Next.js will serve page static and refresh in the background.

NEXT.js

## Incremental Static Regeneration

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It also uses file-system based routing to create new routes

/pages/api/my-endpoint.js

=> /api/my-endpoint

Inside, you export a handler function to handle the request and response

<https://t.co/I5iNM4ZmPe>

- /pages  
--- /api  
----- checkout.js  
----- products.js

POST mywebsite.com/api/checkout

```
{
  items: [
    {
      id: '123456789',
      quantity: 2
    }
  ]
}
```

NEXT.js

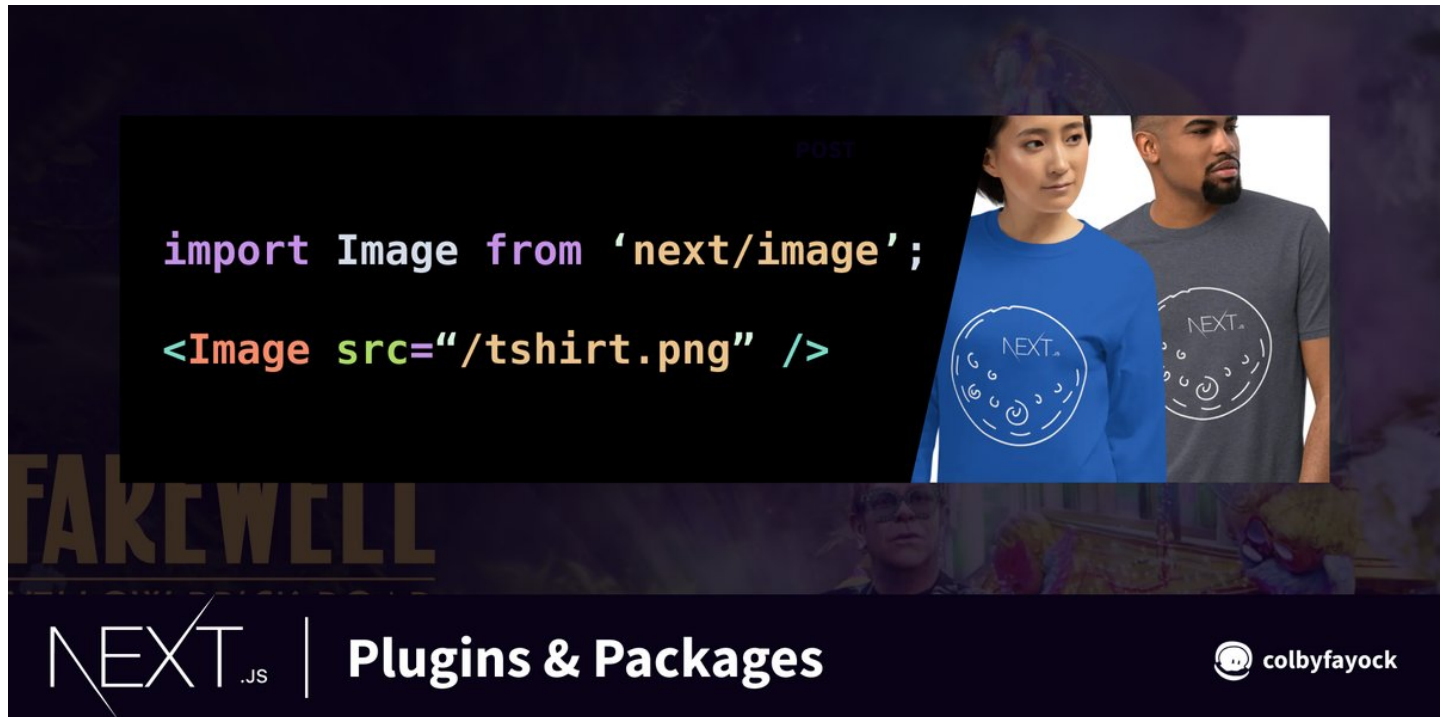
## Serverless Functions

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[@reactjs](#) [@vercel](#) [@hulu](#) [@Apple](#) [@Nike](#) [@Google](#) Instead of a dedicated plugin ecosystem, Next.js maintains opinionated packages that get bundled into the framework

next/image provides a range of optimizations like compression, automatic modern formats, and responsive sizing

<https://t.co/SdG48w9GQc>



[@reactjs](#) [@vercel](#) [@hulu](#) [@Apple](#) [@Nike](#) [@Google](#) Next.js is a flexible framework that gives you as a developer a lot of power over creating great experiences on the web.

Want to dive more into Next.js & React?

Check out my [@eggheadio](#) course:

Create an eCommerce Store with Next.js and Stripe Checkout

<https://t.co/jlqUZwEyfE>



I'll also be giving a deep dive on Next.js at [@snipcart's](#) first webinar

Snipcart & Friends Present: WTF is Next.js?

March 1st at 2pm EST

Register for free below

<https://t.co/vreUBG7rZC>

You can find a bunch of tutorials for Next.js and other web dev tools on my YouTube channel

<https://t.co/HLAvBFKICC>

Make sure to also subscribe to my newsletter.

I send out free weekly tutorials teaching React, Next.js, and other web dev tools

<https://t.co/dDN1vLiyoO>