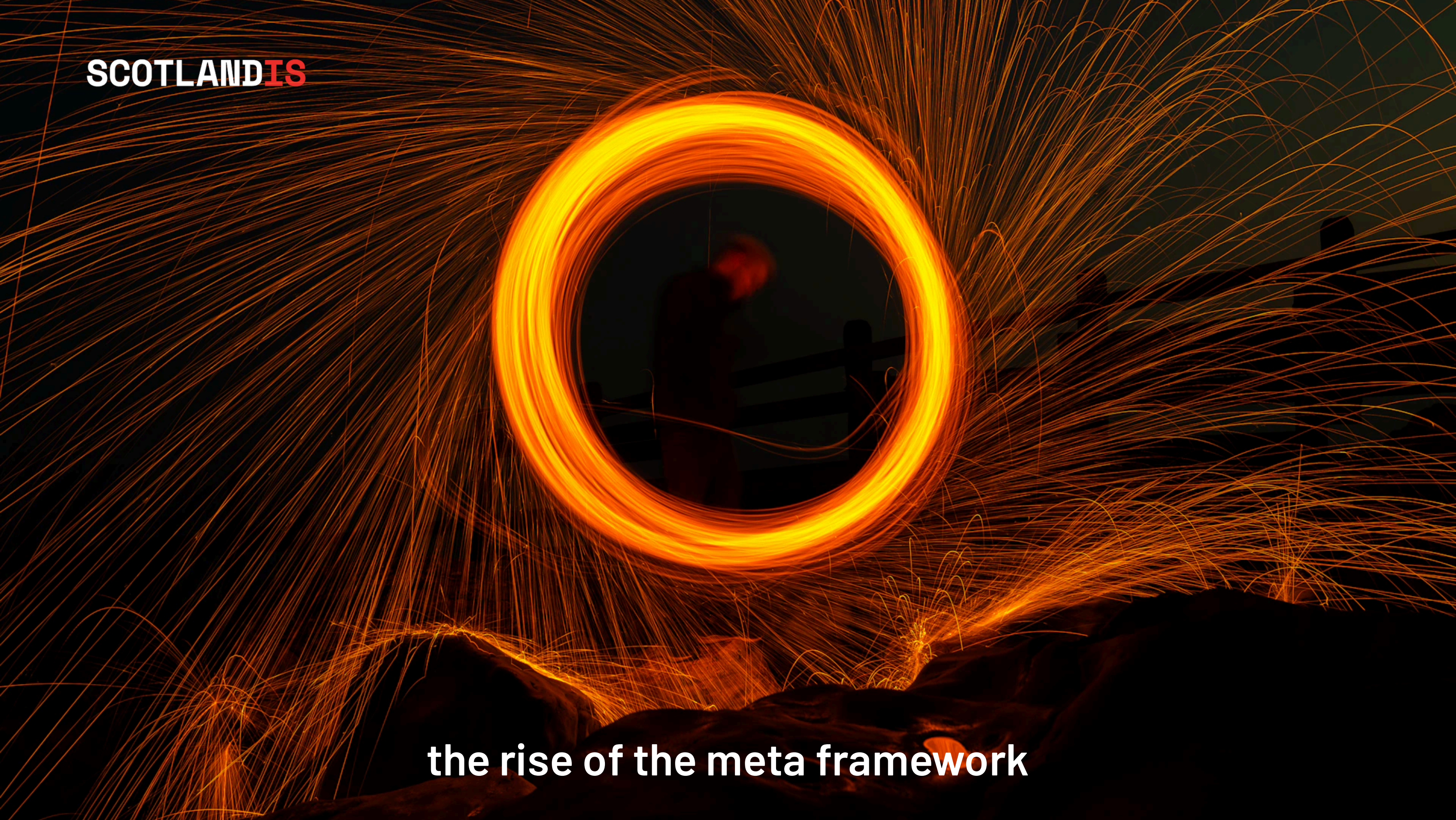
SCOTLANDIS



the rise of the meta framework

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hello 👋

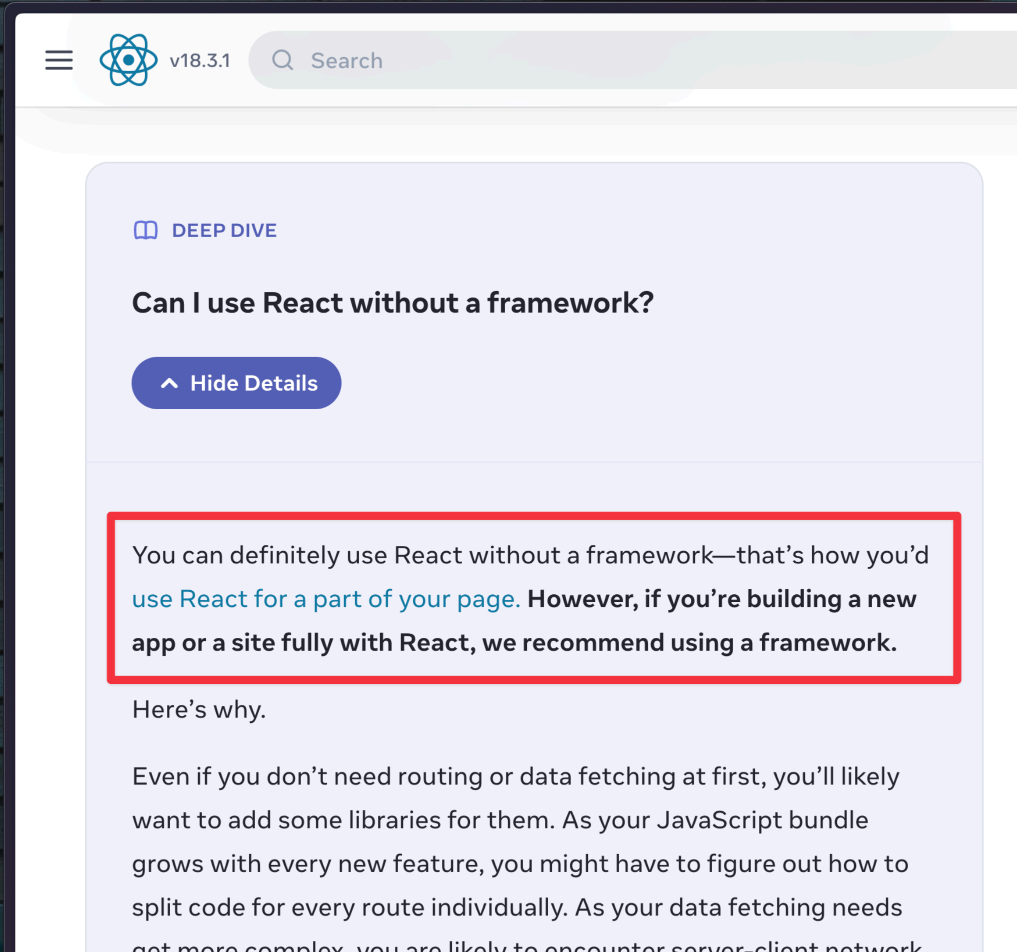
nuxt.com • ⚗ nitro.unjs.io • page-speed.dev • 🦄 regexp.dev
🅰️ fontaine.sh • 🦌 elk.zone • fc firstcommit.is • react-to-nuxt.com

Experts MVP Microsoft Most Valuable Professional

LG
RØDE

why use a meta-framework?

why use a meta-framework?

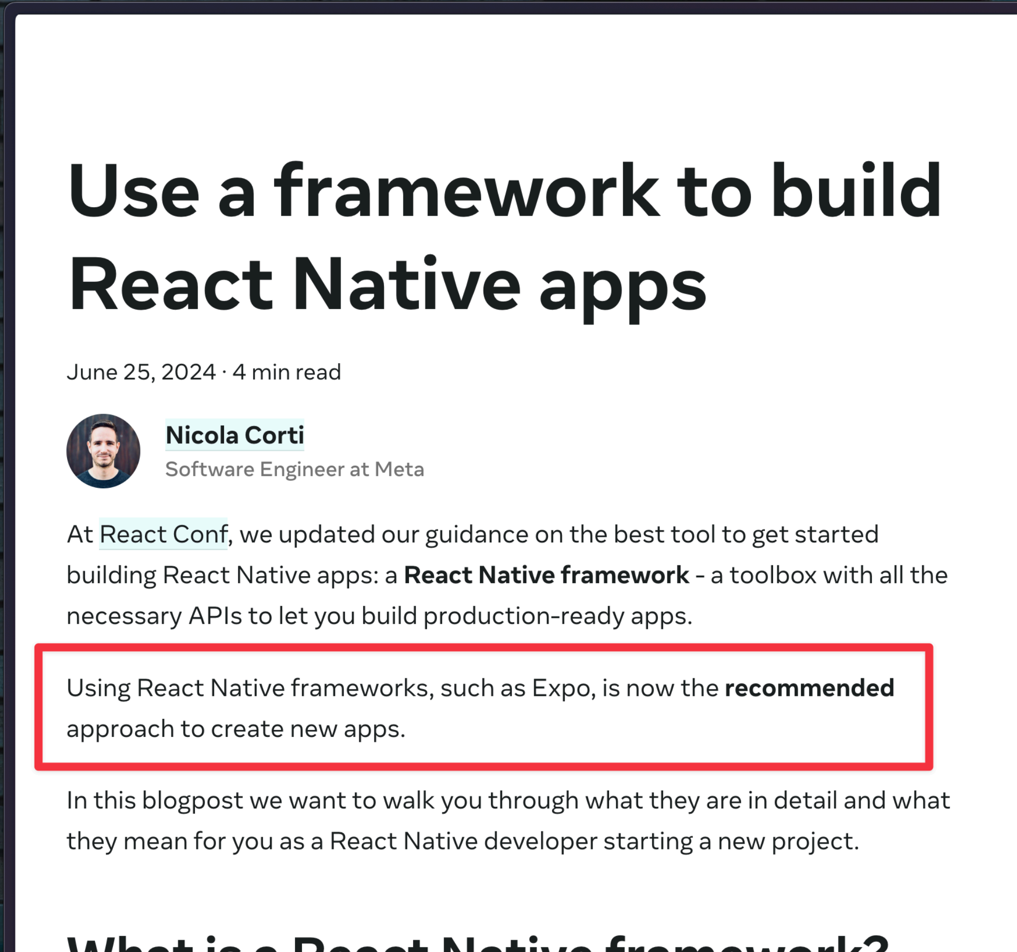


Can I use React without a framework?

You can definitely use React without a framework—that's how you'd use React for a part of your page. **However, if you're building a new app or a site fully with React, we recommend using a framework.**

Here's why.

Even if you don't need routing or data fetching at first, you'll likely want to add some libraries for them. As your JavaScript bundle grows with every new feature, you might have to figure out how to split code for every route individually. As your data fetching needs get more complex, you are likely to encounter server-client network why use a meta-framework?



Use a framework to build React Native apps

June 25, 2024 · 4 min read

Nicola Corti
Software Engineer at Meta

At React Conf, we updated our guidance on the best tool to get started building React Native apps: a **React Native framework** - a toolbox with all the necessary APIs to let you build production-ready apps.

Using React Native frameworks, such as Expo, is now the **recommended** approach to create new apps.

In this blogpost we want to walk you through what they are in detail and what they mean for you as a React Native developer starting a new project.

What is a React Native framework?

EXPRESS
6TH SMASH! YEAR!
PRETTY WOMAN THE MUSICAL
COME FROM AWAY
1540 BROADWAY
2018
TDK
DO YOU WANT DUNKIN' DONUT FRIES WITH THAT?
MARRIOTT MARQUIS
AIRFRANCE
FRANCE IS IN THE AIR
Give real.
AN OUTRAGEOUSLY INTERACTIVE CANDY WONDERLAND
CANDYTOPIA.COM
T-Mobile
AMERICAN EAGLE OUTFITTE
McDonald's
EXPRESS
wafels&dinges

in the beginning...

HTML

django spring Express RAILS

capability

... and necessity

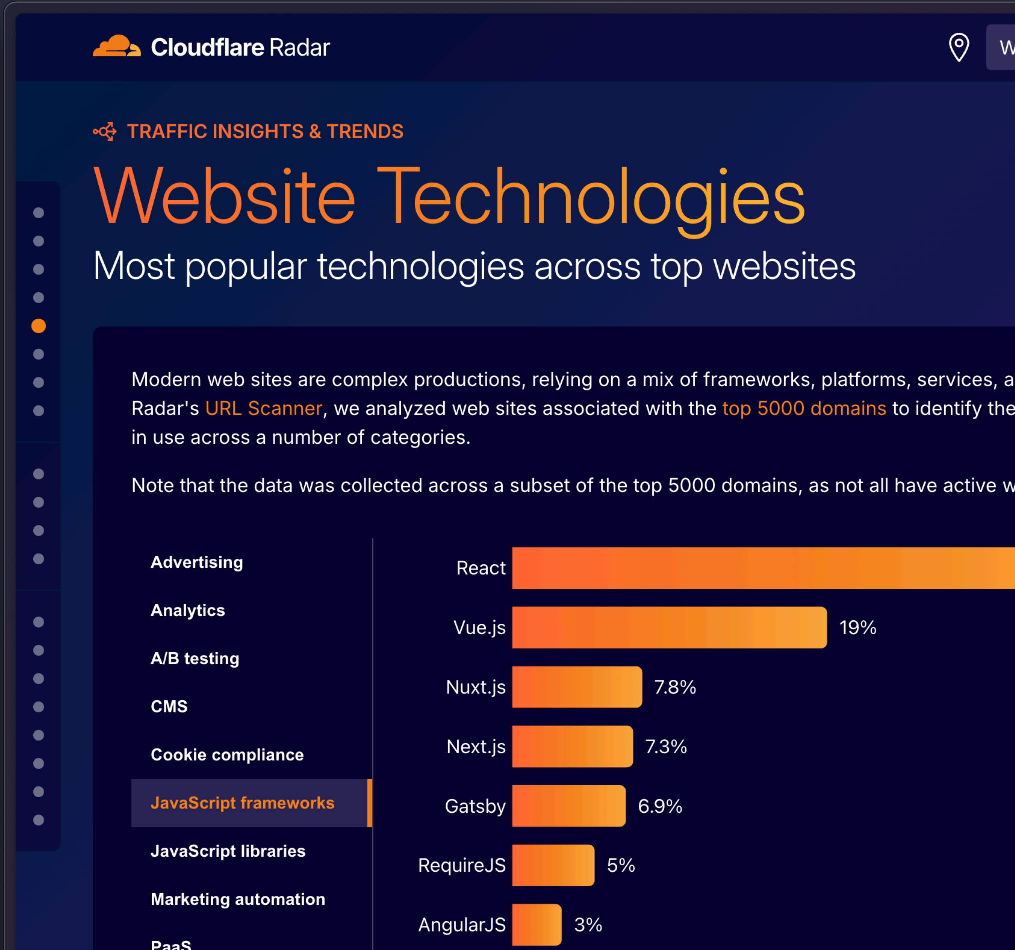
keepers of the config

- developer experience
- server-side rendering

NEXT.JS ember Angular METEOR Nuxt

CLOUDFLARE RADAR

year in review 2023



Cloudflare Radar

TRAFFIC INSIGHTS & TRENDS

Website Technologies

Most popular technologies across top websites

Modern web sites are complex productions, relying on a mix of frameworks, platforms, services, a
Radar's URL Scanner, we analyzed web sites associated with the top 5000 domains to identify the
in use across a number of categories.

Note that the data was collected across a subset of the top 5000 domains, as not all have active w

analog	astro	deno fresh	eleventy	gatsby	next.js
1	4	3	2	9	14

nuxt	quasar	qwik	remix	solid start	sveltekit
6	2	2	3	1	6

- Some users feel that there is a high similarity between different frontend meta-frameworks.
- There are views that these frameworks are useful in eliminating boilerplate code, and are therefore beneficial in certain specific use cases.
- Users have pointed out that there seems to be a rapid growth in the number of frameworks, creating a sense of redundancy.
- Several users have specifically mentioned Nuxt in a positive light, indicating it as a potential favourite.
- A degree of nostalgia is present for older, less complex frameworks like jQuery.

In general, opinions on frontend meta-frameworks vary, with some users expressing nostalgia for simpler times, while others appreciate the use-case-specific benefits they offer, despite feeling daunted by the rapid emergence of new frameworks.

They're all kind of similar

deeper bundler integrations

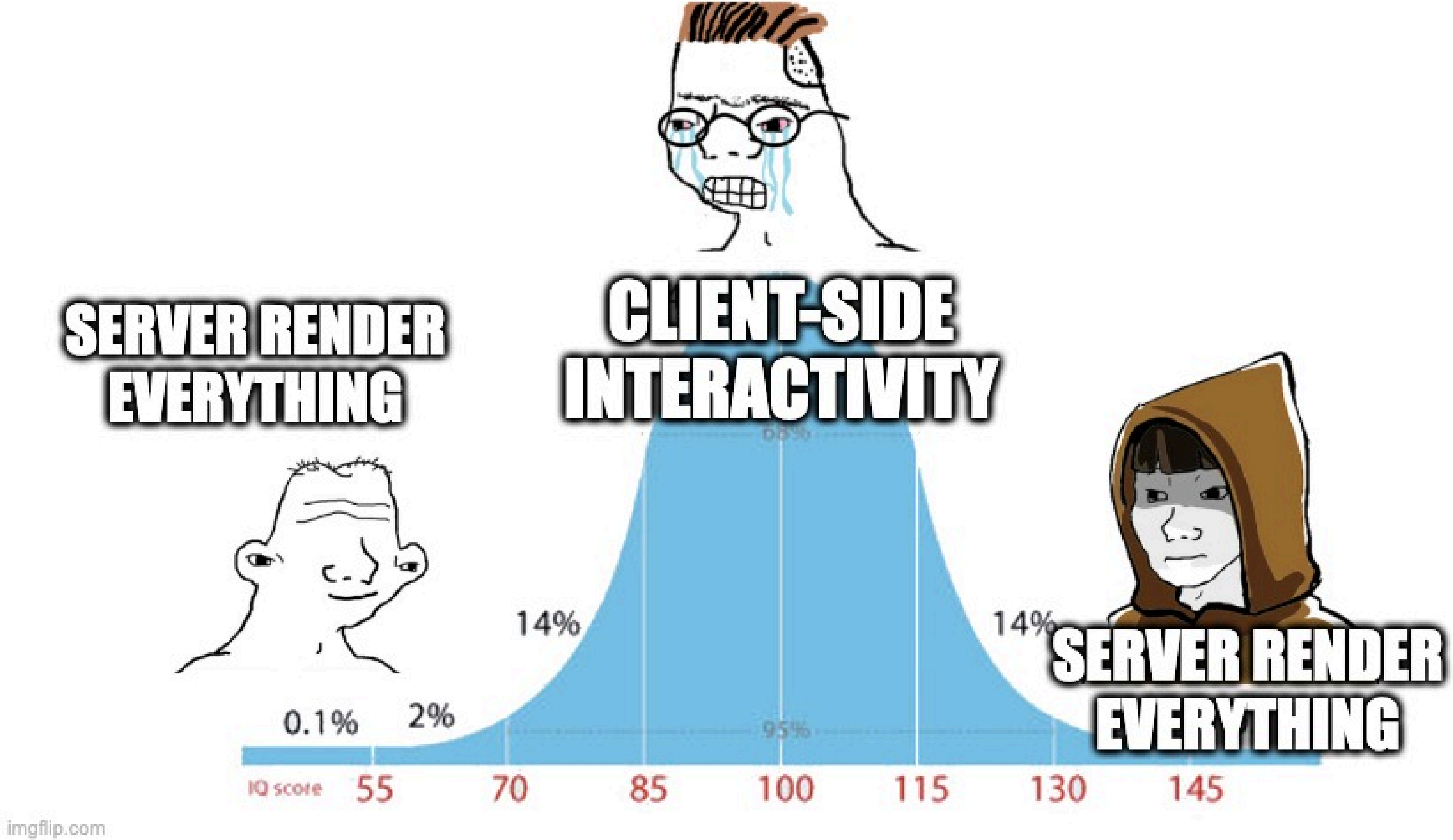
unlocking features

- ✦ multi-app and app federation
- ✦ partial hydration and resumability
- ✦ ... and more

deeper bundler integrations

powered by faster bundlers

- rspack
- rolldown



SERVER RENDER EVERYTHING
CLIENT-SIDE INTERACTIVITY
SERVER RENDER EVERYTHING
68%
95%
0.1%
2%
14%
14%
IQ score
55
70
85
100
115
130
145
imgflip.com

tighter vertical integrations

deployment platforms

Vercel

CLOUDFLARE

netlify

tighter vertical integrations

platform primitives

- ✦ key-value storage
- ✦ image optimisation
- ✦ direct database access
- ✦ websockets/streaming
- ✦ LLM integrations

tighter vertical integrations

two approaches

1. platform-centric
2. framework-centric

NEXT.JS

Nuxt

ROUTING

- vue-router
- universal routing

DEPLOY

- alwaysdata
- aws lambda
- aws amplify
- azure
- cleavr
- cloudflare
- deno deploy
- digitalocean
- edgio
- firebase
- flightcontrol
- github pages
- heroku
- iis
- koyeb
- netlify
- platform.sh
- render.com
- stormkit
- vercel
- zeabur

TESTING

- jest
- vitest
- playwright
- cypress
- cucumber

STORIES

- storybook
- histoire

KV AND CACHE

- azure
- browser
- capaci
  prefe
- clou
- filesyste
- github
- http
- lru cache
- memory
- mongodb
- netlify blobs
- overlay
- planetscale
- redis
- vercel kv

DATABASES

- bun sqlite
- cloudflare d1
- libsql
- e
- esql
- sqlite
- turso
- vercel

IMAGES

- aliyun
- aws amplify
- bunny
- caisy
- cloudflare
- cloudimage
- cloudinary
- contentful
- directus
- edgio
- fastly
- glide
- gumlet
- hygraph
- imageengine
- imagekit
- imgix
- ipx
- netlify
- prepr
- prismic
- sanity
- sirv
- storyblok
- strapi
- twicpics
- unsplash
- uploadcare
- vercel
- weserv

FONTS

- google
- adobe
- bunny
- fontshare
- fontsource
- local

90+

PROVIDERS

tighter vertical integrations

provider patterns

- nitro
- sveltekit
- astro

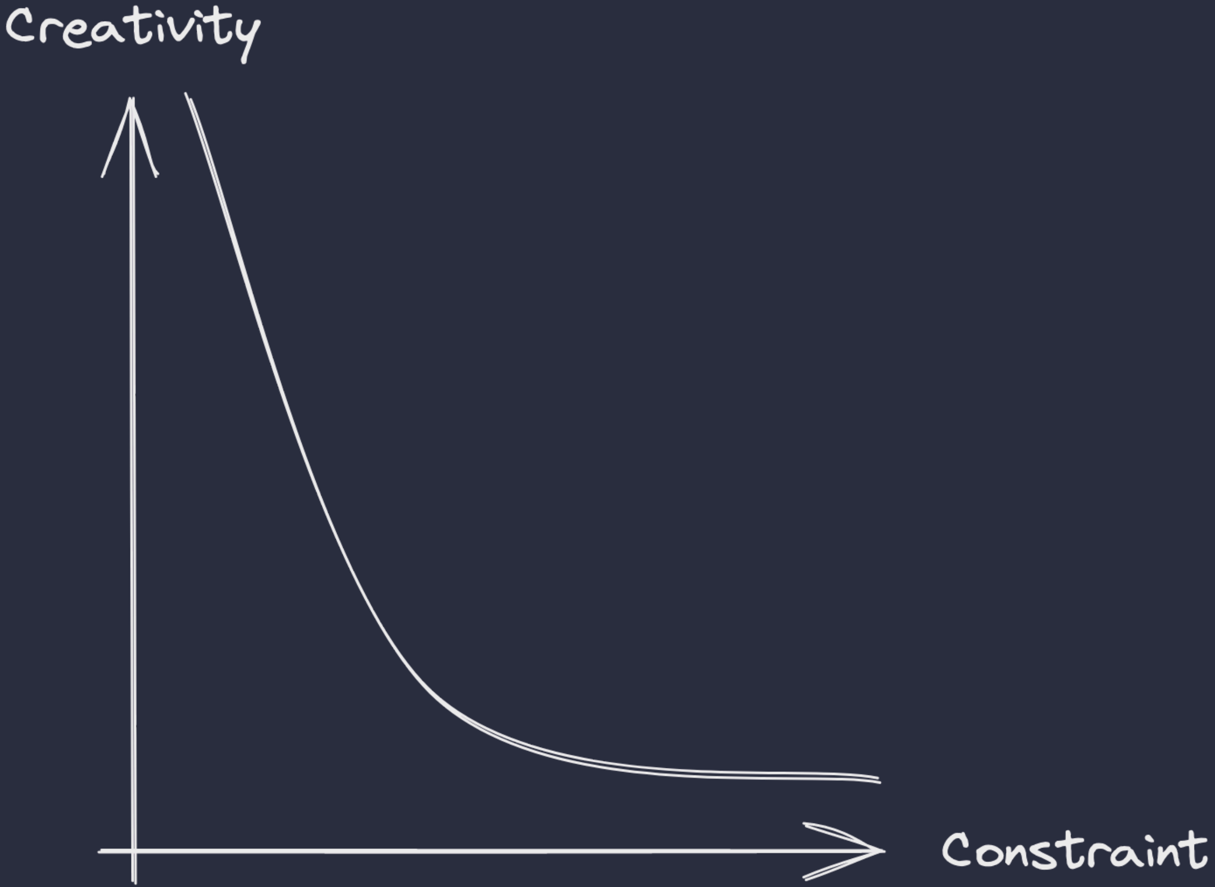
developer experience

intuition, convention + best practices

1. an unadulterated good
2. a ~~vicious~~ virtuous circle

a question

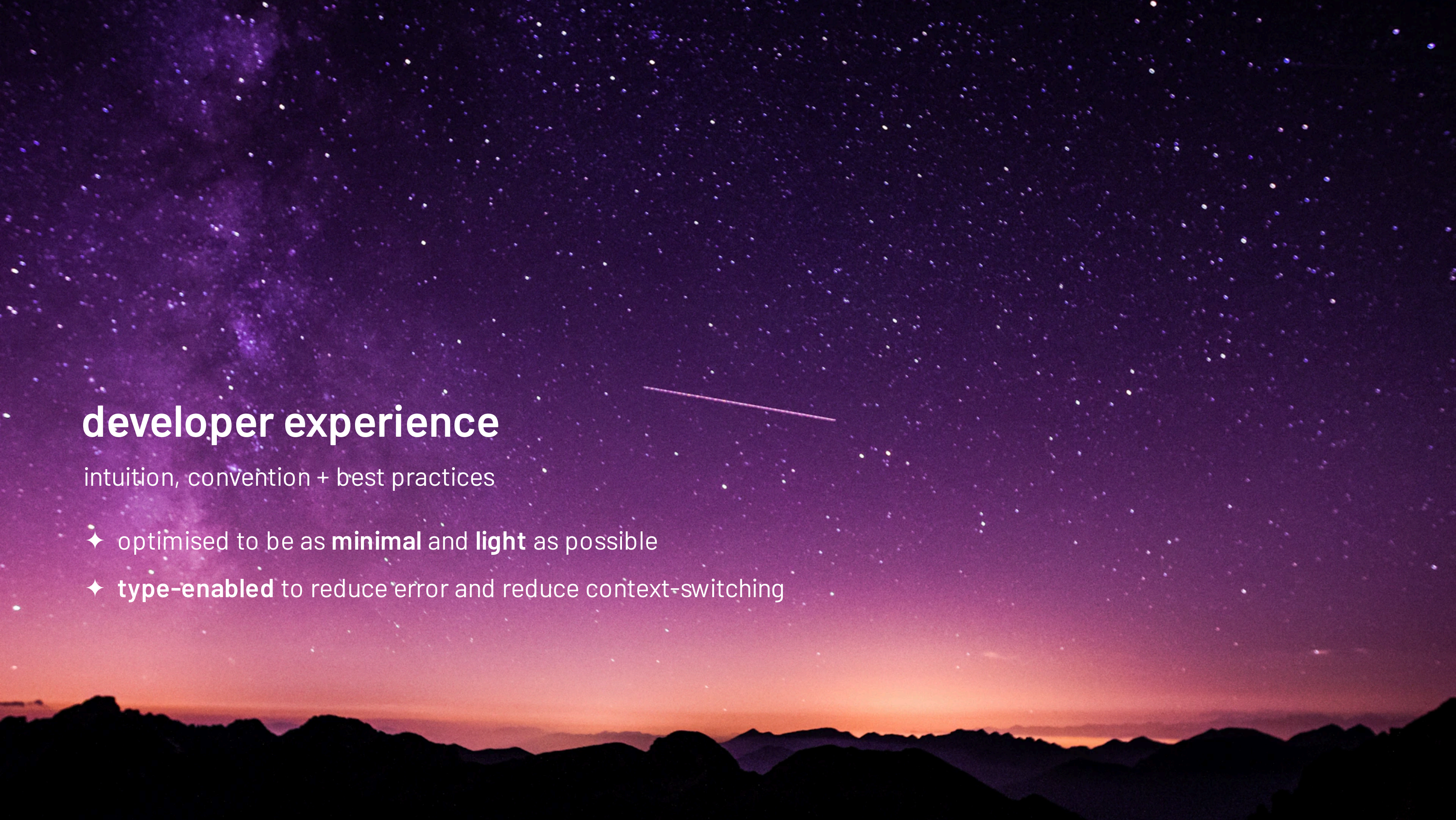
when have you felt the most productive?


Creativity
Constraint

developer experience

intuition, convention + best practices

- accessibility
- performance optimisations
- **nuxt/a11y** ANTFU · DANIELROE
- **nuxt/hints** BAROSHEM · DANIELROE
- **nuxt/scripts** HARLAN-ZW · HUANG-JULIEN · FLASHDESIGNORY · HOUSSEINDJIRDEH



developer experience

intuition, convention + best practices

- optimised to be as **minimal** and **light** as possible
- **type-enabled** to reduce error and reduce context-switching

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Interested ... ?

- ✦ check out the docs on **nuxt.com** and **nitro.unjs.io**
- ✦ follow **@nuxt_js** on Twitter or **@nuxt@webtoo.ls** on Mastodon
- ✦ join **chat.nuxt.dev** to discuss
- ✦ and a final offer 🙏

  roe.dev/chat