Vue Fes
Japan 2025

beyond the framework

building for the next decade of the web

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hello 👋

nuxt.com • ⚗️ nitro.unjs.io • page-speed.dev • 🦄 regexp.dev

🅰️ fontaine.sh • 🦌 elk.zone • firstcommit.is • react-to-nuxt.com

Experts

MVP Microsoft® Most Valuable Professional

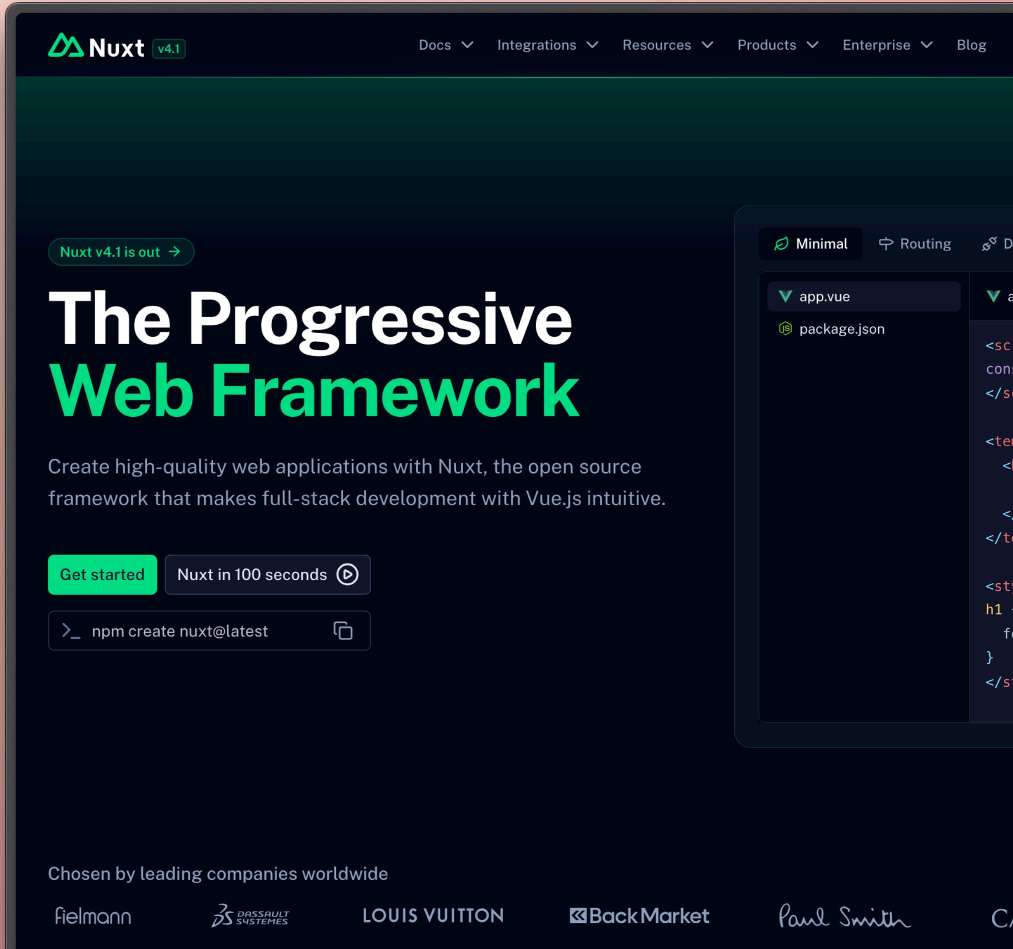
Vercel

ROYAL BRITISH HOTEL

roe.dev/live

what is nuxt?

- a **progressive** framework built on **vue.js** and **nitro**
- **zero-effort** start with great dx
- **best practices** built-in
- fully **configurable** & easily **extensible**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Nuxt v4.1 is out →
Minimal
Routing
app.vue
package.json
Get started
Nuxt in 100 seconds

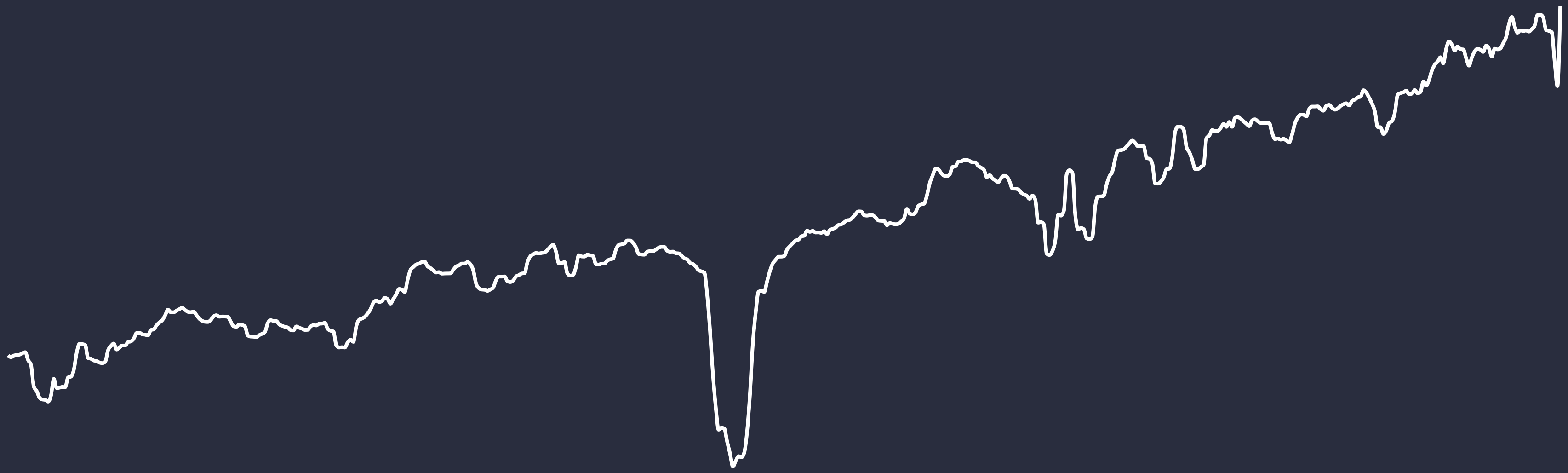
The Progressive Web Framework

Create high-quality web applications with Nuxt, the open source framework that makes full-stack development with Vue.js intuitive.

```
npm create nuxt@latest
```

Chosen by leading companies worldwide

fielmann
DASSAULT SYSTEMES
LOUIS VUITTON
BackMarket
Paul Smith



58.6 k

⭐ STARS

42.8 MILLION

📈 DOWNLOADS

USER GOALS
1.

how can you build best?

~~use nuxt~~

you are irreplaceable

1

you are irreplaceable

we are artisans of the web

1

you are irreplaceable

~~#fomo~~

what frustrates you about
web development?

roe.dev/feedback

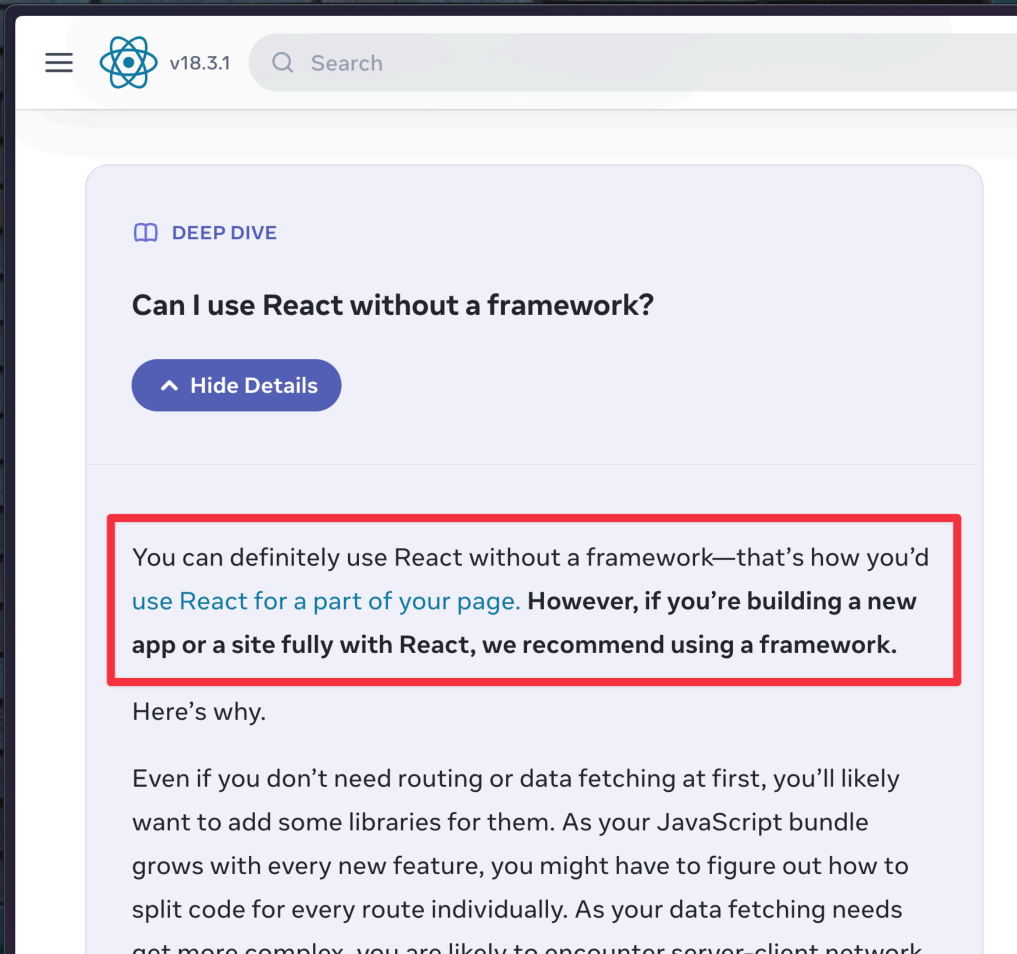
time

2

embrace a framework

2

embrace a framework



Can I use React without a framework?

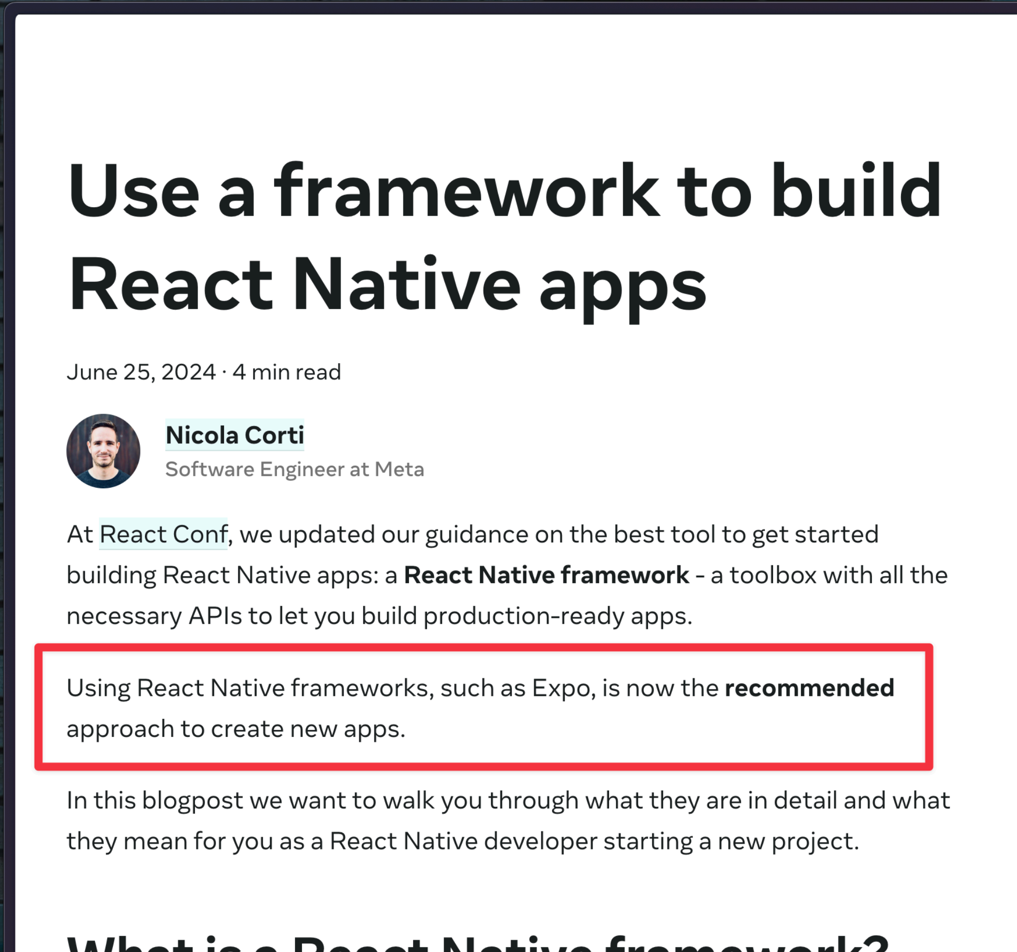
You can definitely use React without a framework—that's how you'd use React for a part of your page. **However, if you're building a new app or a site fully with React, we recommend using a framework.**

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

2

embrace a 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?

2

embrace a framework

1. a framework is inevitable

2

embrace a framework

1. a framework is inevitable

NEXT.JS ember Angular METEOR Nuxt

2

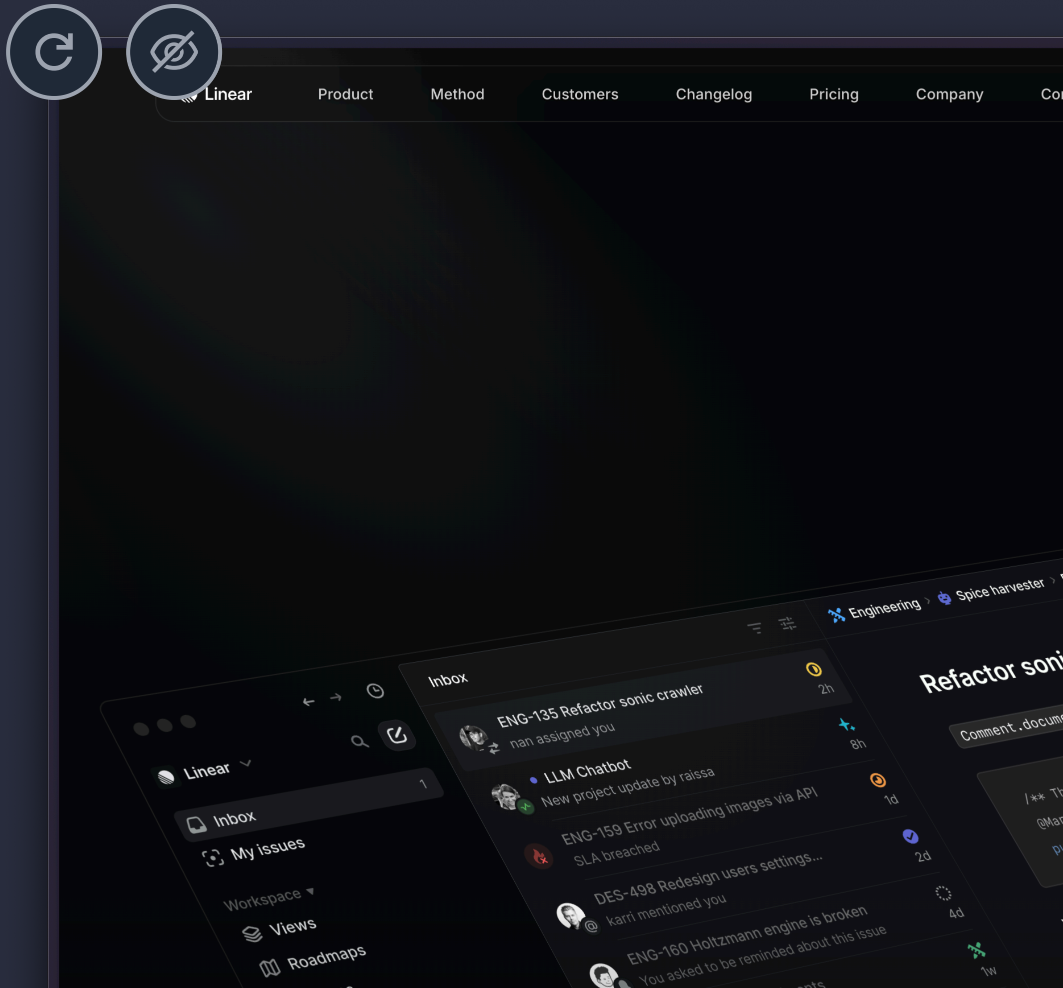
embrace a framework

1. a framework is inevitable
2. a framework is desirable

2

nuxt/fonts

- font configuration doesn't respond to *usage*
- third-party origins + preconnects
- font waterfalls
- contribution to layout shift


Linear
Product
Method
Customers
Changelog
Pricing
Company
Linear
Inbox
My issues
Workspace
Views
Roadmaps
Inbox
ENG-135 Refactor sonic crawler
nan assigned you
2h
LLM Chatbot
New project update by raissa
8h
ENG-159 Error uploading images via API
SLA breached
1d
DES-498 Redesign users settings...
karri mentioned you
2d
ENG-160 Holtzmann engine is broken
You asked to be reminded about this issue
4d
1w
Engineering
Spice harvester
Refactor soni
Comment.docum

2

nuxt/fonts

- ✦ unjs/unifont
- ✦ unjs/fontaine

```css
@font-face {
  font-family: 'Oswald';
  src: local("Oswald Regular"), local("Oswald"),
    url("/_fonts/<hash>.woff2") format(woff2);
  font-display: swap;
  unicode-range: U+0100-02AF,U+0304,<more>,
  font-weight: 400;
  font-style: normal;
}

@font-face {
  font-family: "Oswald Fallback: Arial";
  src: local("Arial");
  size-adjust: 81.4265%;
  ascent-override: 146.5125%;
  descent-override: 35.4921%;
  line-gap-override: 0%;
}

h1 {
  font-family: 'Oswald', 'Oswald Fallback: Arial', sans-serif;
}
```

are you using Nuxt?

yes	not yet
roe.dev/v/yes	roe.dev/v/no
121	**75**

2

fontless

unjs/fontaine

- 📦 **zero runtime overhead**
- 🫂 collaboration with QWIKDEV · DAMIANPUMAR · GIOBOA · THEJACKSHELTON · SHAIREZ · HI-OGAWA
- 📏 **metric-based fallbacks**
- 🔤 **multiple providers**
  - Google Fonts, Bunny Fonts, FontShare, FontSource, and more using **unifont**
- 🎯 **framework agnostic**
  - Vue, React, Solid, Svelte, Qwik, etc.

2

embrace a framework

1. a framework is inevitable
2. a framework is desirable
3. a framework is the right tool

2

embrace a framework

unlocking features

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

2

embrace a framework

powered by faster bundlers

- rspack
- rolldown
- farm

2

embrace a framework

- vite.dev
- webpack.js.org
- rspack.rs

```
export default defineNuxtConfig({
  builder: {
    async bundle (nuxt) {}
  }
})
```

2

embrace a framework

- 🖥 `.nuxt/dist/server/server.mjs`
- 📁 `.nuxt/dist/client/`
- 🧩 **unjs/unplugin** architecture

```
addBuildPlugin(TreeShakeComposablesPlugin())
```

2

embrace a framework 🚧 experimental

- ✦ streaming html
- ✦ payload cache integrated with browser
- ✦ prerendering optimisations

2

embrace a framework 🚧 experimental

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="preload" as="fetch" crossorigin="anonymous" href="/_payload.json?c5943ca5-b255-4abc-9e46-6014c3b9fff6">
    <script type="importmap">{
      "imports": {
        "_": "/_rebundle/fV19iUTNxh.js",
        "/_nuxt/BKQMxkHa.js": "data:text/javascript;base64,aW1wb3J0e0REZk9UaW96fWZyb20iXyI7ZXhwb3J0IGRlZmF1bHQgRERmT1Rpb3ouZGVm
        ...
      }
    }</script>
    <script type="module" src="/_rebundle/fV19iUTNxh.js"></script>
    <title>A truly incredible site</title>
  </head>
  <body>
```

2

embrace a framework 🚧 experimental

```
// virtual:asyncGeneratedChunk_123
export default async (route) => {
  const repo = await $fetch(`https://api.github.com/repos/${route.params.owner}/${route.params.repo}`)
  return repo
}
// MyComponent.vue
export default defineComponent({
  async setup () {
    const route = useRoute()
    const { data: repo } = await useAsyncData(() => import('virtual:asyncGeneratedChunk_123').then(r => r(route)))
  }
})
```

0 %

TOTAL JS

0 %

UNUSED JS

2

tighter vertical integrations

deployment platforms

Vercel

CLOUDFLARE

netlify

2

tighter vertical integrations

platform primitives

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

2

tighter vertical integrations

two approaches

1. platform-centric
2. framework-centric

90+
PROVIDERS

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

2

tighter vertical integrations

provider patterns

- nitro
- sveltekit
- astro

3

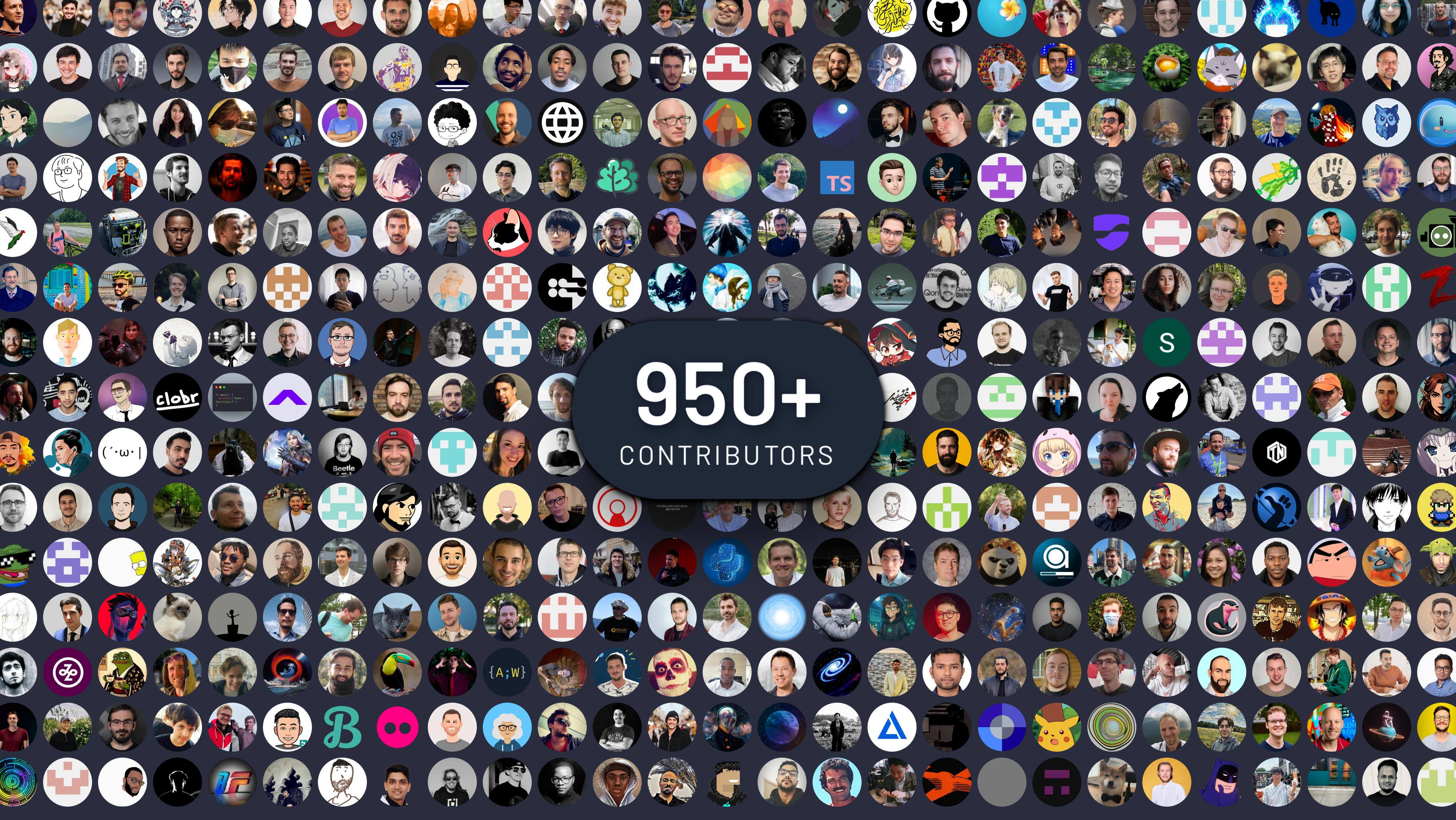
build with others

3

friendly collaboration

'centre-bounded'

3



950+

CONTRIBUTORS

nuxt.com/modules

... from the public registry at **nuxt/modules**

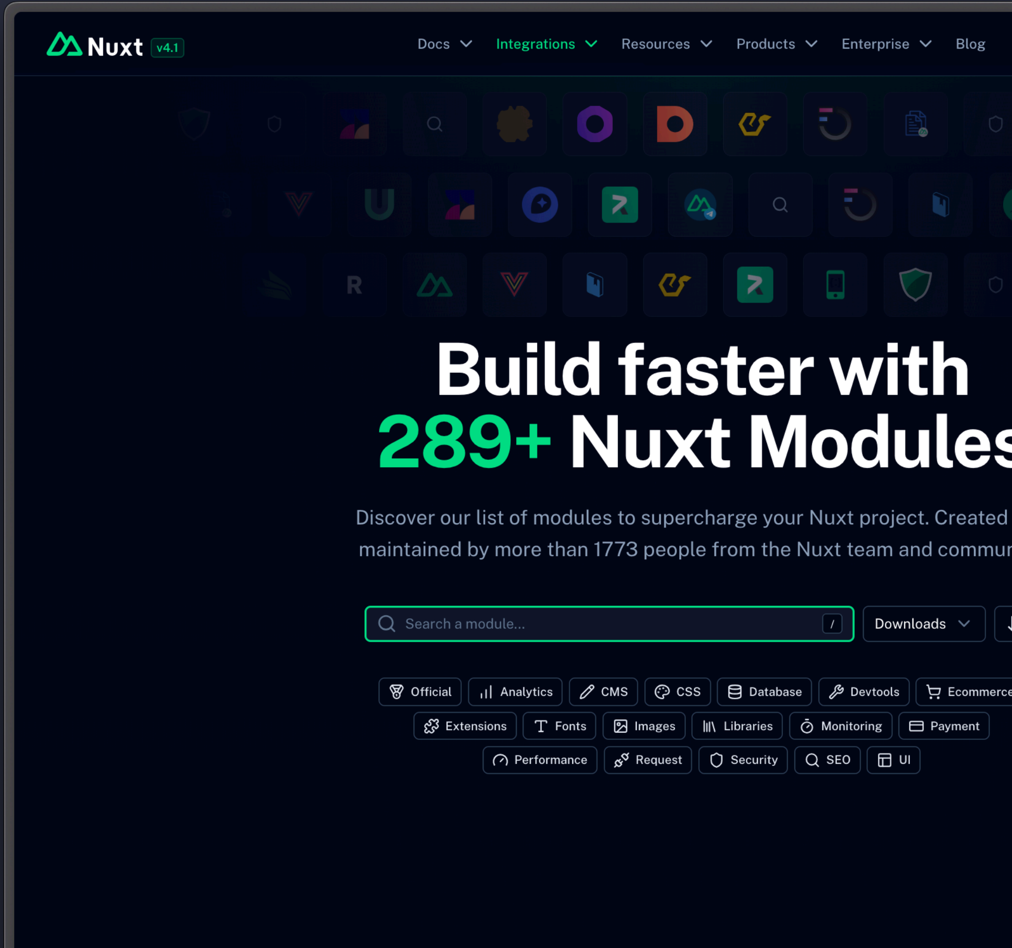
295 +
MODULES

237
MAINTAINERS

1,779
CONTRIBUTORS

33,201,050
DOWNLOADS

221,138
STARS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Build faster with 289+ Nuxt Modules

Discover our list of modules to supercharge your Nuxt project. Created
maintained by more than 1773 people from the Nuxt team and commun

Search a module...
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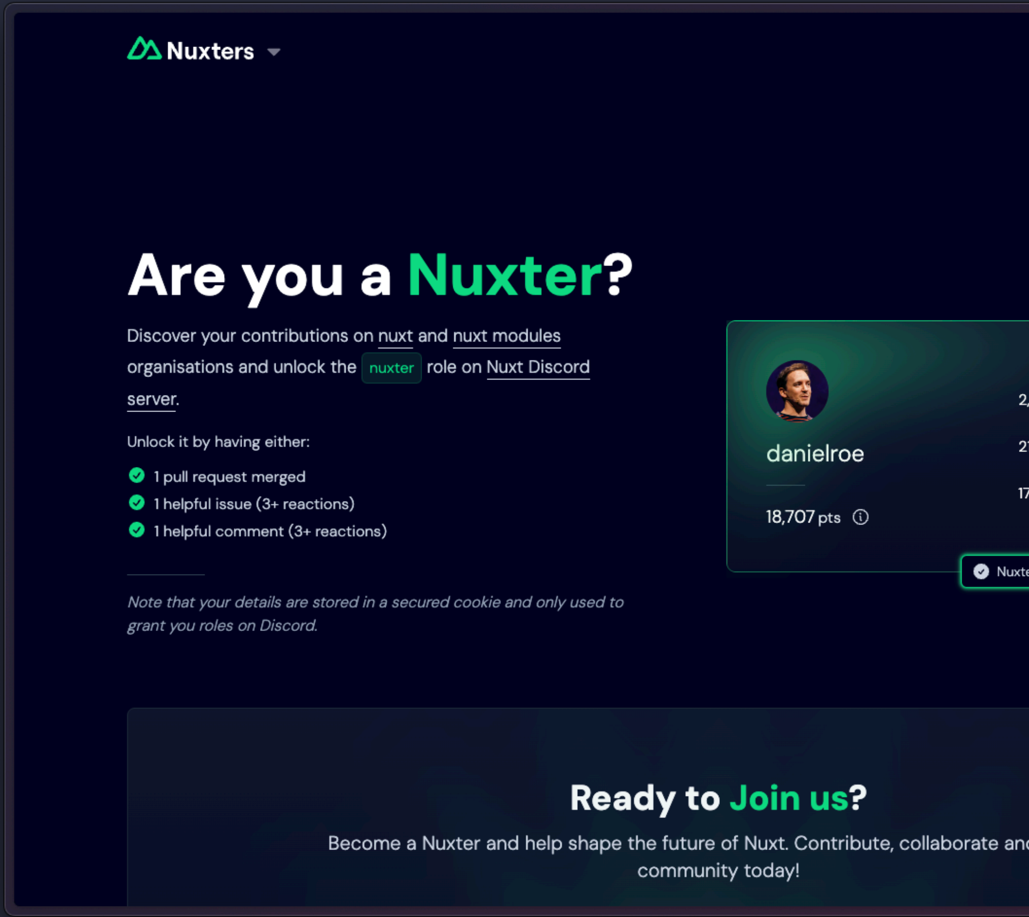
Analytics
CMS
CSS
Database
Devtools
Ecommerce
Extensions
Fonts
Images
Libraries
Monitoring
Payment
Performance
Request
Security
SEO
UI

build with others

- ✦ new user portal - **nuxt.com** + **nuxters.nuxt.com**
- ✦ **Discord** and GitHub for help and contribution
- ✦ ... an offer 🙏

roe.dev/chat



Are you a Nuxter?

Discover your contributions on nuxt and nuxt modules organisations and unlock the `nuxter` role on Nuxt Discord server.

Unlock it by having either:

- ✓ 1 pull request merged
- ✓ 1 helpful issue (3+ reactions)
- ✓ 1 helpful comment (3+ reactions)

Note that your details are stored in a secured cookie and only used to grant you roles on Discord.

danielroe

18,707 pts

Ready to Join us?

Become a Nuxter and help shape the future of Nuxt. Contribute, collaborate an community today!

some spoilers

vite environment api

- formalizes multiple environments
- single dev server
- per-environment module graphs + invalidation
- closes gap between dev and production

vite builder workflow

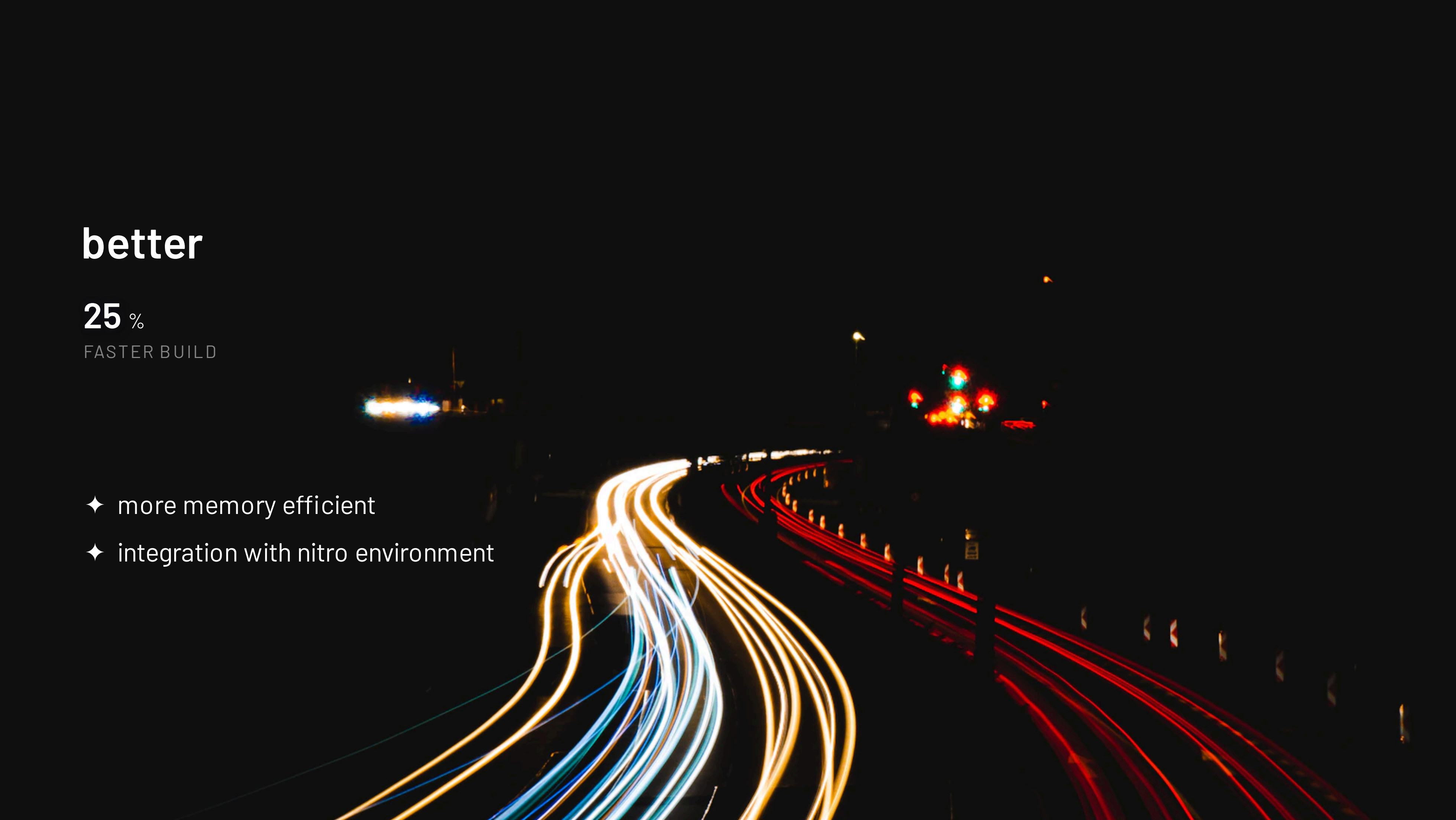
vite builder workflow

```diff
  initialise shared config
  call extend hook to add shared plugins
+ call per-environment hooks for backwards compatibility
- set up client config + call extend hook + configResolved hook
- start client server
- set up ssr config + call extend hook + configResolved hook
- start ssr server
+ start dev server
```

nuxt v4.2 🎉

v4.2.0

- opt-in to the vite environment api
- internal `@nuxt/nitro-server` abstraction
- automatically extractable async data ~39% less JS
- precompiled bundle renderer ~15x faster
- a new dev-time error page
- nuxt typescript plugins from **dxup** KAZARIEX



better

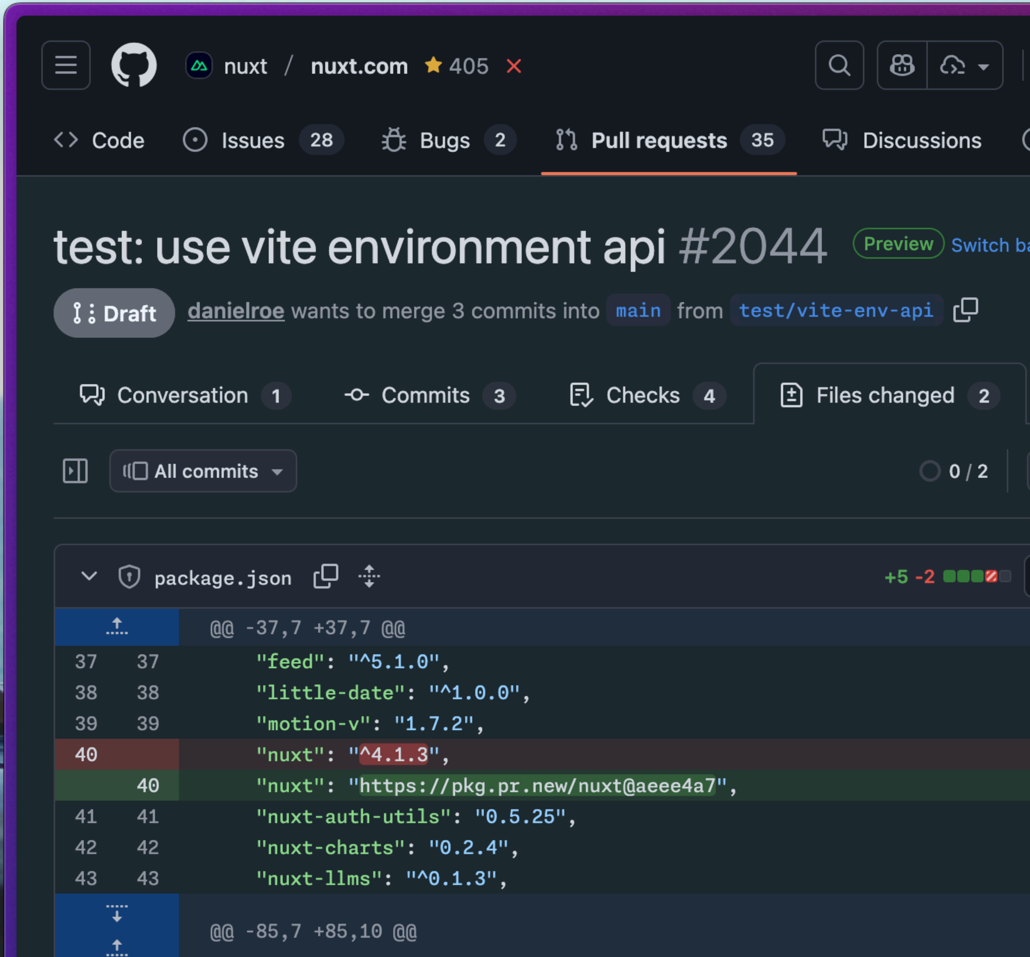
25 %

FASTER BUILD

- ✦ more memory efficient
- ✦ integration with nitro environment

… and with minimal updates

nuxt/nuxt.com#2044


nuxt / nuxt.com
405
Code
Issues 28
Bugs 2
Pull requests 35
Discussions
Preview
Switch ba
Conversation 1
Commits 3
Checks 4
Files changed 2
All commits
0 / 2
package.json
+5 -2

test: use vite environment api #2044

Draft danielroe wants to merge 3 commits into `main` from `test/vite-env-api`

```
@@ -37,7 +37,7 @@
    "feed": "^5.1.0",
    "little-date": "^1.0.0",
    "motion-v": "1.7.2",
    "nuxt": "^4.1.3",
    "nuxt": "https://pkg.pr.new/nuxt@aeee4a7",
    "nuxt-auth-utils": "0.5.25",
    "nuxt-charts": "0.2.4",
    "nuxt-llms": "^0.1.3",
@@ -85,7 +85,10 @@
```

... and some experiments 🧪

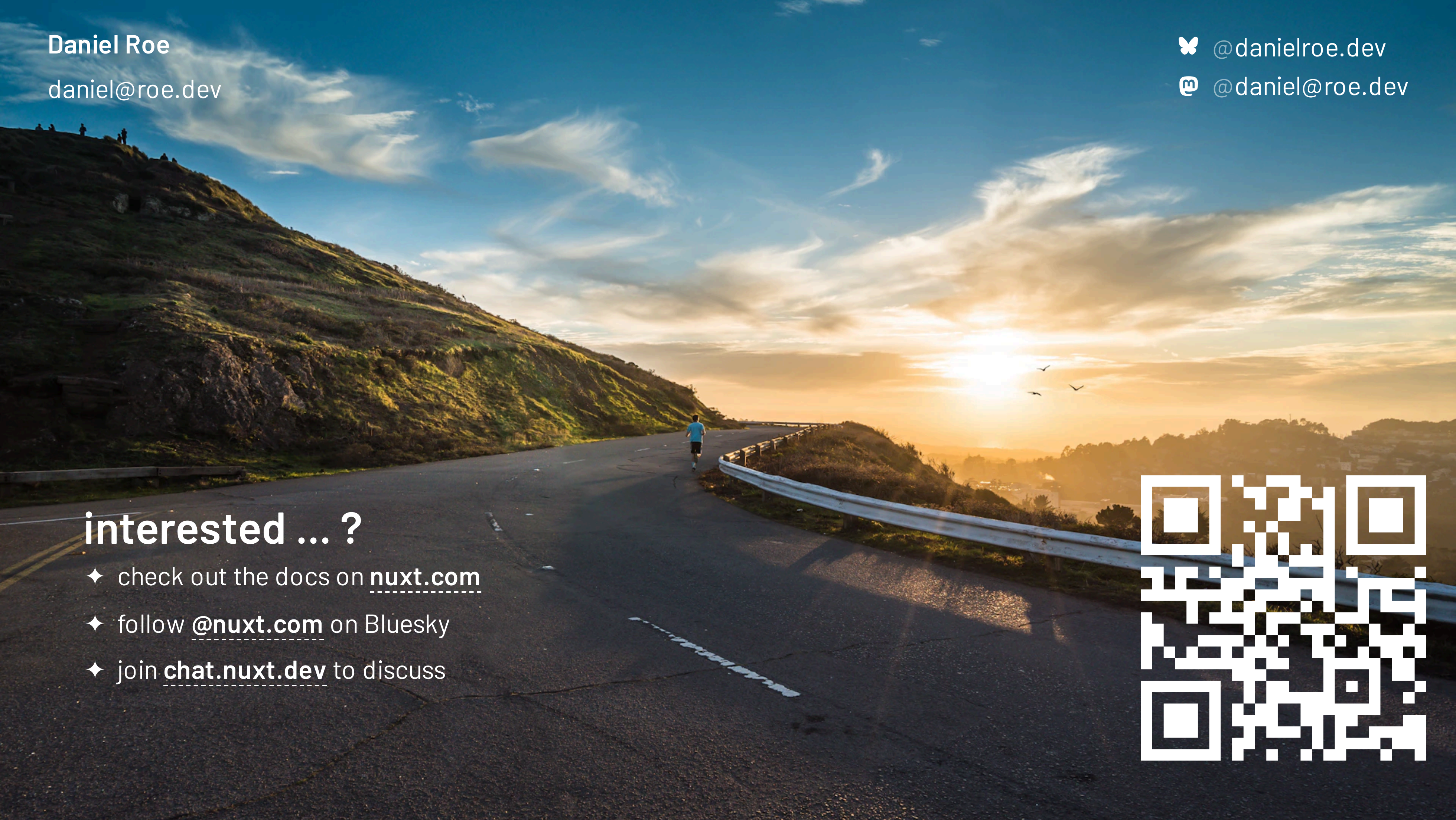
nuxt as a vite plugin

- exploration only 🕵️
- opt-in
- vite plus support

  VITE+(⚡)

`nuxt-rs`

- exploration only 🕵️
- separate package
- rustacean help welcome 🦀



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interested ... ?

- check out the docs on **nuxt.com**
- follow **@nuxt.com** on Bluesky
- join **chat.nuxt.dev** to discuss