

```
HTML  
1 <div class="container mx-auto p-2">  
2 <article class="mb-4">  
3 <h1 class="font-sans text-4xl font-  
black">LGBTQ.css</h1>
```

```
CSS  
1 .Banner::before {  
2 content: "";  
3 width: 100%;  
4 height: 96px;
```

```
JS (Babel)  
1
```

LGBTQ.css

Color values are slightly saturated for preference. Massively WIP. Available on GitHub.



Gay Pride



Bisexual Pride



Transgender Pride



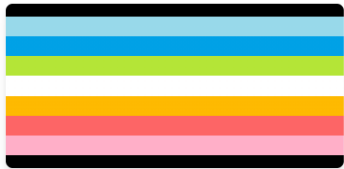
Non-Binary Pride



Asexual Pride



Pansexual Pride



Queer Pride



Gay Male Pride



Lesbian Pride



Intersex Pride



Gender Fluid Pride



Agender Pride



Polyamorous Pride



Omnisexual Pride



Genderqueer Pride



AroAce Pride



Polysexual Pride

Do you really need all that code?

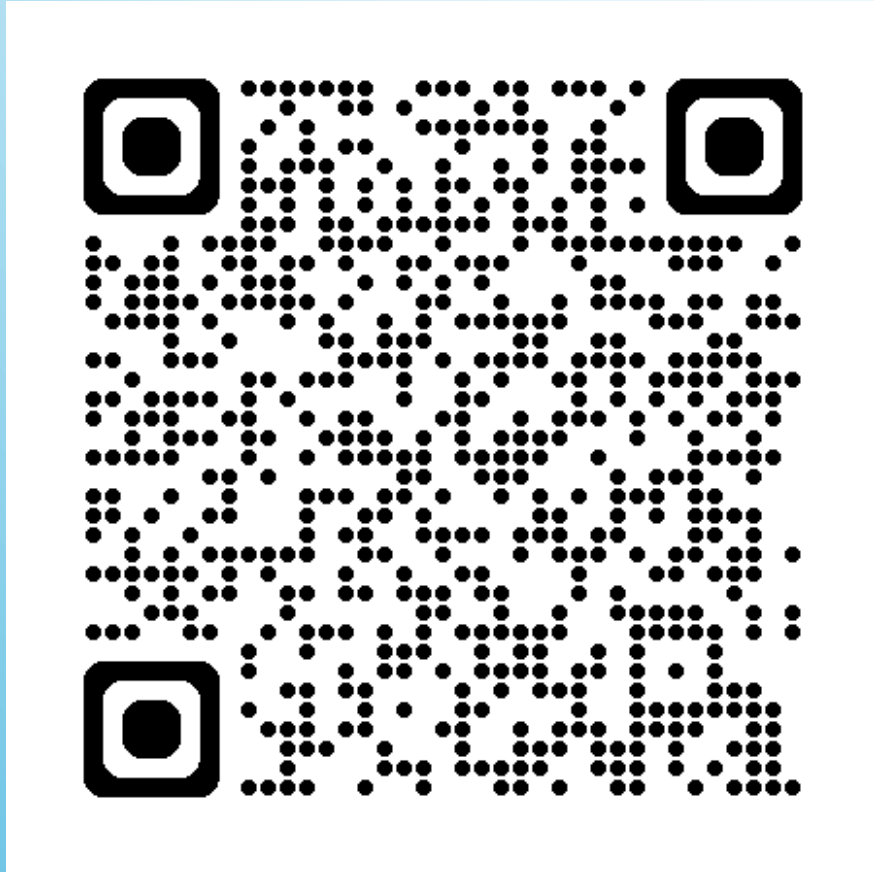
WeAreDevelopers LIVE “Front End Performance” Day

Chris Heilmann – June 2024

Web Performance is a vast subject...



Dev Digest Performance links...

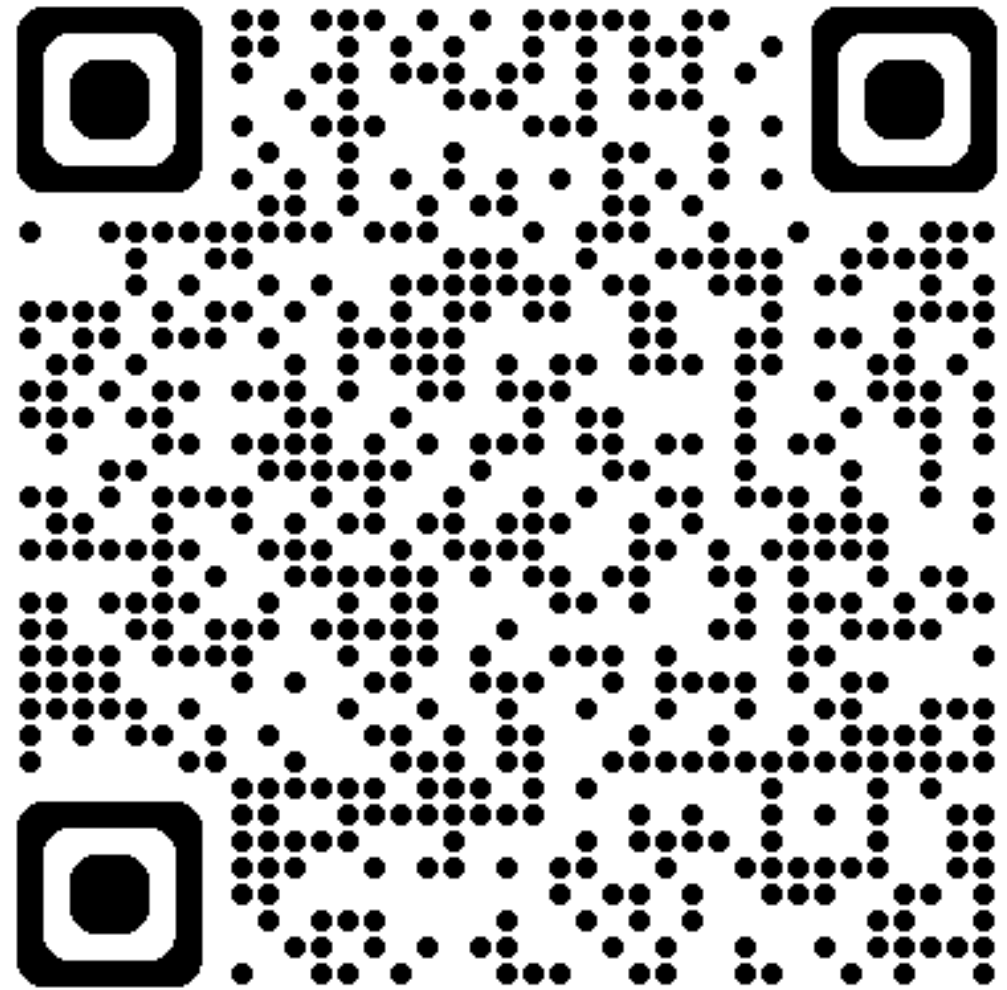


Performance links

- How Do Chrome Extensions Impact Website Performance In 2024?
- 5 easy tips to improve your personal website performance
- Comprehensive guide to JavaScript performance analysis using Chrome DevTools
- Snappy UI Optimization with useDeferredValue
- Is my host fast yet?
- 114 How web bloat impacts users with slow devices
- 112 Faster Connectivity !== Faster Websites
- Long animation frame timing
- Do you *really* need to store all that telemetry?
- A Complete Guide to Web Performance Budgets
- 113 Latency numbers every frontend developer should know
- Top 9 website performance metrics you cannot ignore:
- Reporting Core Web Vitals With The Performance API
- 108 Capo.js: A five minute web performance boost

<https://devrel.wearedevelopers.com/performance.html>

All the
resources in
this “talk” ...



<https://gist.github.com/codepo8/649f8246de747a1dd2cb2758a5eced3f>

Numbers && Humans...

The psychology of site speed and human happiness

 Tammy Everts - Jan 30, 2024

user experience

research



<https://www.speedcurve.com/blog/psychology-site-speed/>

Courses and resources...



Getting started...

Getting started with Web Performance 🚀

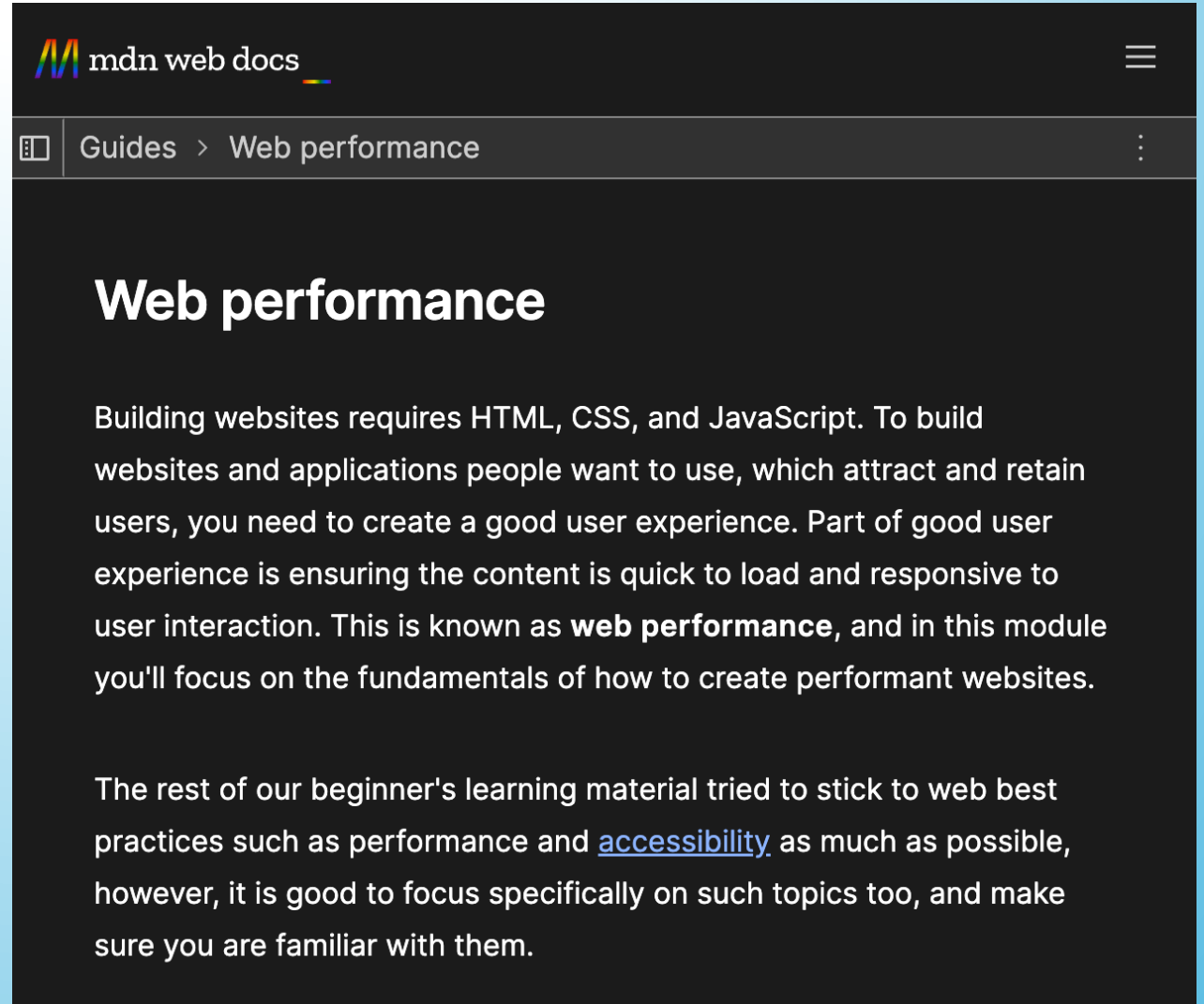
by [Alistair Shepherd](#) published on Dec 14, 2023



Carefully observing websites in the wild

<https://www.htmhell.dev/adventcalendar/2023/14/>

MDN Guide...

A screenshot of the MDN Web Docs website. The top navigation bar shows the MDN logo and 'mdn web docs'. Below it, a breadcrumb trail reads 'Guides > Web performance'. The main content area has a large heading 'Web performance' followed by two paragraphs of text. The first paragraph discusses the importance of user experience and web performance. The second paragraph mentions sticking to web best practices like performance and accessibility.

mdn web docs

Guides > Web performance

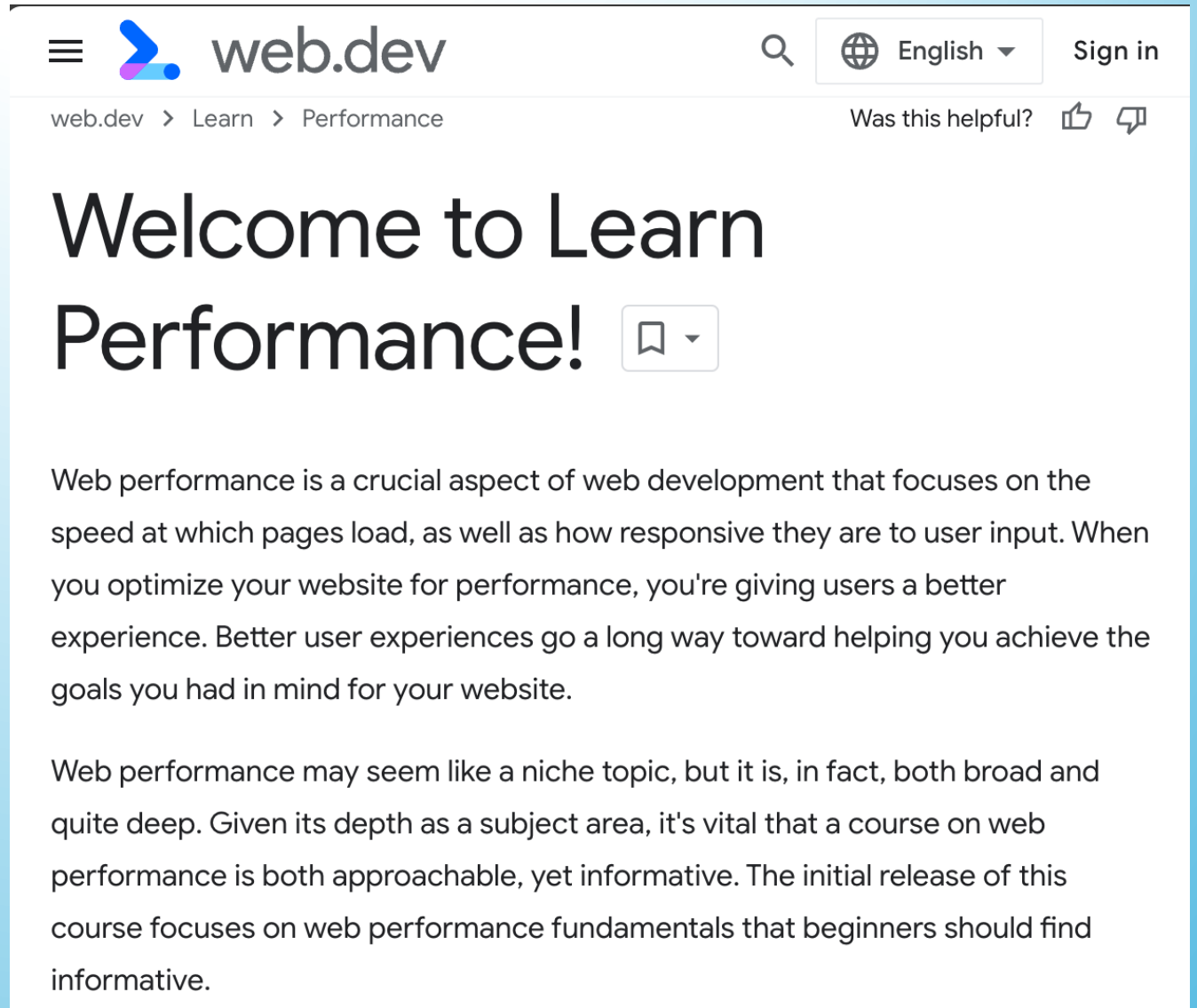
Web performance

Building websites requires HTML, CSS, and JavaScript. To build websites and applications people want to use, which attract and retain users, you need to create a good user experience. Part of good user experience is ensuring the content is quick to load and responsive to user interaction. This is known as **web performance**, and in this module you'll focus on the fundamentals of how to create performant websites.

The rest of our beginner's learning material tried to stick to web best practices such as performance and [accessibility](#) as much as possible, however, it is good to focus specifically on such topics too, and make sure you are familiar with them.

<https://developer.mozilla.org/en-US/docs/Learn/Performance>

Google...



The screenshot shows the top navigation bar of the web.dev website. On the left, there is a hamburger menu icon, the web.dev logo (a stylized 'w' with a blue and purple gradient), and the text 'web.dev'. On the right, there is a search icon, a language selector showing 'English' with a dropdown arrow, and a 'Sign in' link. Below the navigation bar, the breadcrumb trail reads 'web.dev > Learn > Performance'. To the right of the breadcrumb, there is a 'Was this helpful?' section with a thumbs-up icon and a thumbs-down icon. The main heading is 'Welcome to Learn Performance!' in a large, bold, black font, followed by a bookmark icon with a dropdown arrow. Below the heading, there are two paragraphs of text. The first paragraph discusses the importance of web performance for user experience and website goals. The second paragraph explains that web performance is a broad and deep topic, and the course focuses on fundamentals for beginners.

web.dev > Learn > Performance

Welcome to Learn Performance!

Web performance is a crucial aspect of web development that focuses on the speed at which pages load, as well as how responsive they are to user input. When you optimize your website for performance, you're giving users a better experience. Better user experiences go a long way toward helping you achieve the goals you had in mind for your website.

Web performance may seem like a niche topic, but it is, in fact, both broad and quite deep. Given its depth as a subject area, it's vital that a course on web performance is both approachable, yet informative. The initial release of this course focuses on web performance fundamentals that beginners should find informative.

<https://web.dev/learn/performance/welcome>

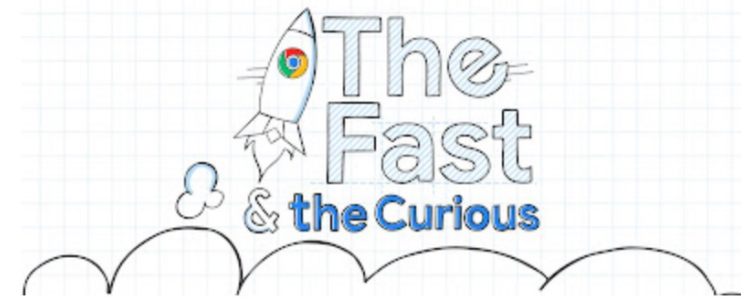
Ubiquitous
advice...



Core web vitals...

How Core Web Vitals saved users 10,000 years of waiting for web pages to load

Tuesday, November 7, 2023



Today's The Fast and the Curious post explores how Core Web Vitals saved Chrome users more than 10,000 Years of waiting for web pages to load in 2023 (across Chrome desktop and Android) by quantifying the experience of sites and identifying opportunities to make improvements.

In 2020, we introduced [Web Vitals](#) - essential quality signals for webpages to ensure a better user experience. Since then, there has been a massive leap in web performance made possible by our work on Core Web Vitals (CWV) and its broader impact on the web. Today, over 40% of sites pass all of the CWV metrics, leading to pages that load and respond to interactions more quickly. Here's a closer look at the journey to help improve the performance for sites and some specific work done in the browser and the ecosystem to enable this achievement.

<https://blog.chromium.org/2023/11/how-core-web-vitals-saved-users-10000.html>

Devtools to the rescue

jiayi's chronicles

Home About

Comprehensive guide to JavaScript performance analysis using Chrome DevTools

Let's see how to navigate the Chrome Devtools Performance tab to effectively analyse and improve the performance of your JavaScript while avoiding common errors. Our use case will be improving the rendering FPS of a real-world canvas library.

16 mag 2024 - 28 MIN READ

<https://blog.jiayihu.net/comprehensive-guide-chrome-performance/>

Pick a fast host

Is my host fast yet?

Real-world server response (Time to First Byte) latencies, as experienced by real-world users navigating the web.

Leaderboard: March 2024

Sort by

Host	Client	Websites	Fast (p75 < 800ms)	Average	Slow (p75 >= 1800ms)
Shopify	desktop	255,985	98% ^{2%}		
GoDaddy Website Builder	desktop	8,967	97% ^{2%}		
Framer	desktop	2,616	93%	6%	
GitHub Pages	desktop	22,243	93%	7%	
Squarespace	desktop	87,276	90%	9%	
Shopify	mobile	318,335	88%	11%	
WP Engine Atlas	desktop	180	82%	16%	2%
Netlify	desktop	23,786	80%	18%	2%
GitHub Pages	mobile	11,818	79%	20%	1%
GoDaddy Website Builder	mobile	20,993	79%	20%	1%
Hostinger Website Builder	desktop	551	78%	22%	1%

<https://ismyhostfastyet.com/>

Detailed
advice...



It starts from the
<head>



The image shows a YouTube video player interface. The video title is "Get Your Head Straight with Harry Roberts" and it is from the "SmashingConf Freiburg 2022" event. The video is by "Smashing Magazine" and has 5.88K subscribers. The video player shows a play button in the center of a circular frame containing a photo of Harry Roberts. The text "COMING UP NEXT" is visible in the top left corner of the video frame. The video player controls at the bottom show a progress bar at 0:00 / 54:56, a volume icon, a closed captions icon, a settings icon, a full screen icon, and a download icon. The video player also shows a like button with 15 likes, a share button, and a download button.

COMING UP NEXT

Harry Roberts

Get Your Head Straight

0:00 / 54:56

Get Your Head Straight with Harry Roberts — SmashingConf Freiburg 2022

Smashing Magazine
5.88K subscribers

Subscribe

15

Share

Download

<https://speakerdeck.com/csswizardry/get-your-head-straight>
<https://www.youtube.com/watch?v=vgZ2B0rY4fs>

Tools for head inspection...

The image shows a web browser window with the URL `capo.js`. The page content includes a heading "Try capo.js live" with a rocket icon, instructions to enter HTML or a URL and click "Run", and a text area containing the following HTML code:

```
<title>test</title>
<meta charset="utf-8">
<meta name="description" content="Try capo.js">
<style></style>
<script></script>
```

Below the text area is a "Run" button with a rocket icon. To the right, the DevTools console is open, showing the following messages:

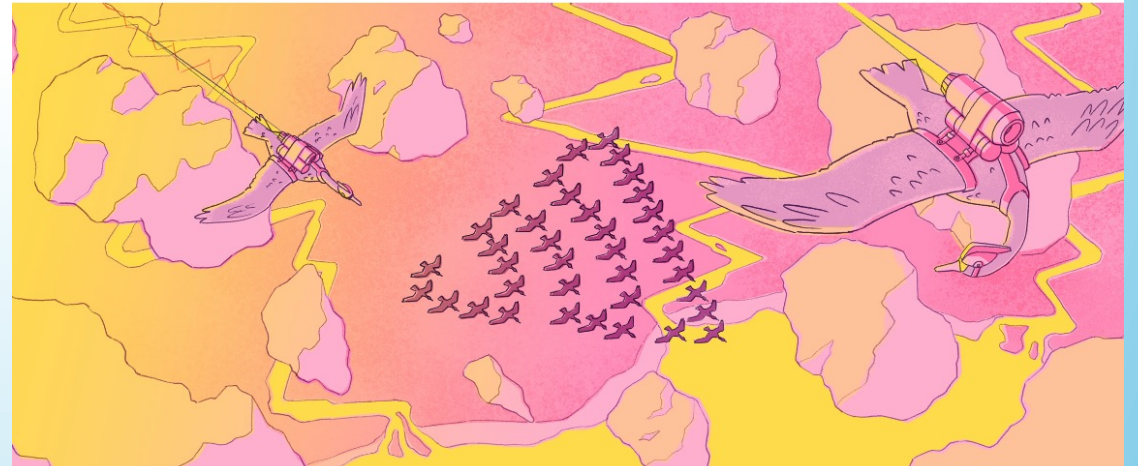
- Warning: `Capo: Expected exactly 1 <meta name=viewport> element, found 0`
- Log: `Capo: Actual head order` (with a bar chart showing the order of elements)
- Log: `Capo: Sorted head order` (with a bar chart showing the sorted order of elements)
- Log: `11 <meta charset="utf-8">`
- Log: `10 <title>test</title>`
- Log: `6 <script></script>`
- Log: `5 <style></style>`
- Log: `1 <meta name="description" content="Try capo.js">`
- Log: `Sorted head element >>> <head> </head>`

<https://rviscomi.github.io/capo.js/>

Some solid advice

- Serve static HTML
- Optimise images
- Use system fonts
- Remove render blocking resources
- Use less JavaScript

<https://blog.sentry.io/5-easy-tips-to-improve-your-personal-website-performance/>



May 16, 2024 PERFORMANCE MONITORING

5 easy tips to improve your personal website performance



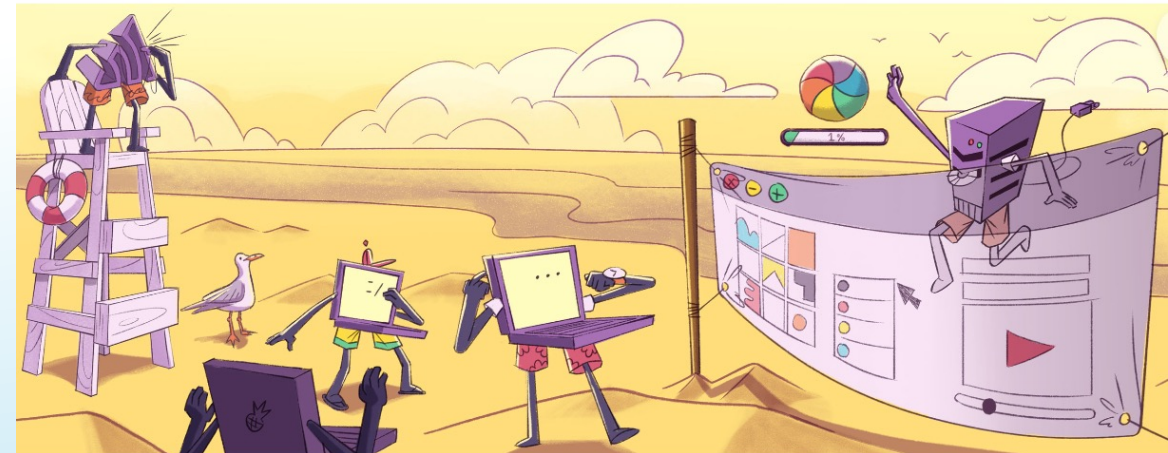
SALMA ALAM-NAYLOR

If you're a developer, you need a personal website. While billionaire-owned, algorithm-based social media platforms arbitrarily decide what people should and should not see on their timelines, there's no better time for you to carve out your own cozy corner on the web and *own your content*.

Optimising images

- Smaller formats (WebP/AVIF)
- Lazy load images
- Set dimensions

<https://blog.sentry.io/low-effort-image-optimization-tips/>



March 25, 2024 PERFORMANCE MONITORING

Low effort image optimization tips



LAZAR NIKOLOV

“A picture is worth a thousand words”. So if a picture takes more than 4 seconds to load, does it mean that your website’s content fails to communicate a thousand words? In this blog post, we’ll learn how to identify unoptimized images, how to fix them, and how to validate the fix – so your website can speak volumes with highly-optimized images.

Insights and
surprises...



How web bloat impacts users with slow devices

Site	Size		M3 Max		M1 Pro		M3/10		Tecno S8C		Itel P32	
	wire	raw	LCP*	CPU	LCP*	CPU	LCP*	CPU	LCP*	CPU	LCP*	CPU
danluu.com	6kB	18kB	50ms	20ms	50ms	30ms	0.2s	0.3s	0.4s	0.3s	0.5s	0.5s
HN	11kB	50kB	0.1s	30ms	0.1s	30ms	0.3s	0.3s	0.5s	0.5s	0.7s	0.6s
MyBB	0.1MB	0.3MB	0.3s	0.1s	0.3s	0.1s	0.6s	0.6s	0.8s	0.8s	2.1s	1.9s
phpBB	0.4MB	0.9MB	0.3s	0.1s	0.4s	0.1s	0.7s	1.1s	1.7s	1.5s	4.1s	3.9s
WordPress	1.4MB	1.7MB	0.2s	60ms	0.2s	80ms	0.7s	0.7s	1s	1.5s	1.2s	2.5s
WordPress (old)	0.3MB	1.0MB	80ms	70ms	90ms	90ms	0.4s	0.9s	0.7s	1.7s	1.1s	1.9s
XenForo	0.3MB	1.0MB	0.4s	0.1s	0.6s	0.2s	1.4s	1.5s	1.5s	1.8s	FAIL	FAIL
Ghost	0.7MB	2.4MB	0.1s	0.2s	0.2s	0.2s	1.1s	2.2s	1s	2.4s	1.1s	3.5s
vBulletin	1.2MB	3.4MB	0.5s	0.2s	0.6s	0.3s	1.1s	2.9s	4.4s	4.8s	13s	16s
Squarespace	1.9MB	7.1MB	0.1s	0.4s	0.2s	0.4s	0.7s	3.6s	14s	5.1s	16s	19s
Mastodon	3.8MB	5.3MB	0.2s	0.3s	0.2s	0.4s	1.8s	4.7s	2.0s	7.6s	FAIL	FAIL
Tumblr	3.5MB	7.1MB	0.7s	0.6s	1.1s	0.7s	1.0s	7.0s	14s	7.9s	8.7s	8.7s
Quora	0.6MB	4.9MB	0.7s	1.2s	0.8s	1.3s	2.6s	8.7s	FAIL	FAIL	19s	29s
Bluesky	4.8MB	10MB	1.0s	0.4s	1.0s	0.5s	5.1s	6.0s	8.1s	8.3s	FAIL	FAIL
Wix	7.0MB	21MB	2.4s	1.1s	2.5s	1.2s	18s	11s	5.6s	10s	FAIL	FAIL
Substack	1.3MB	4.3MB	0.4s	0.5s	0.4s	0.5s	1.5s	4.9s	14s	14s	FAIL	FAIL
Threads	9.3MB	13MB	1.5s	0.5s	1.6s	0.7s	5.1s	6.1s	6.4s	16s	28s	66s
Twitter	4.7MB	11MB	2.6s	0.9s	2.7s	1.1s	5.6s	6.6s	12s	19s	24s	43s
Shopify	3.0MB	5.5MB	0.4s	0.2s	0.4s	0.3s	0.7s	2.3s	10s	26s	FAIL	FAIL
Discourse	2.6MB	10MB	1.1s	0.5s	1.5s	0.6s	6.5s	5.9s	15s	26s	FAIL	FAIL
Patreon	4.0MB	13MB	0.6s	1.0s	1.2s	1.2s	1.2s	14s	1.7s	31s	9.1s	45s
Medium	1.2MB	3.3MB	1.4s	0.7s	1.4s	1s	2s	11s	2.8s	33s	3.2s	63s
Reddit	1.7MB	5.4MB	0.9s	0.7s	0.9s	0.9s	6.2s	12s	1.2s	∞	FAIL	FAIL

<https://danluu.com/slow-device/>

Speed is not all!

Jim Nielsen's Blog / [Archive](#) / [Subscribe](#) / [About](#)



Faster Connectivity != Faster Websites

2024-04-15

This post from Dan Luu discussing [how web bloat impacts users with slow devices](#) caused me to reflect on the supposition that faster connectivity means faster websites.

I grew up in an era when slow internet was the primary limiting factor to a great experience on the web. I was always pining for faster speeds: faster queries, faster page navigations, faster file downloads, etc. Whatever I wanted to do with a computer, bandwidth seemed like the sole limiting factor to a great experience.

So that's why I still often mistakenly equate a faster connection with a faster (and better) experience on the web. And I often need reminding that's not necessarily true.

<https://blog.jim-nielsen.com/2024/faster-bandwidth-and-websites/>

Client or server?

Comparison

This page compares all rendering methods, listing their pros and cons. You can click on each point to view a detailed explanation.

CSR

Pros

1. Loads independently from its data
2. Loads quickly once cached
3. Page transitions are instantaneous
4. Can reuse data during navigations
5. Unmatched performance with SWR
6. Is completely free to host
7. Uses minimal data
8. Is very simple to develop
9. Requires no dedicated server

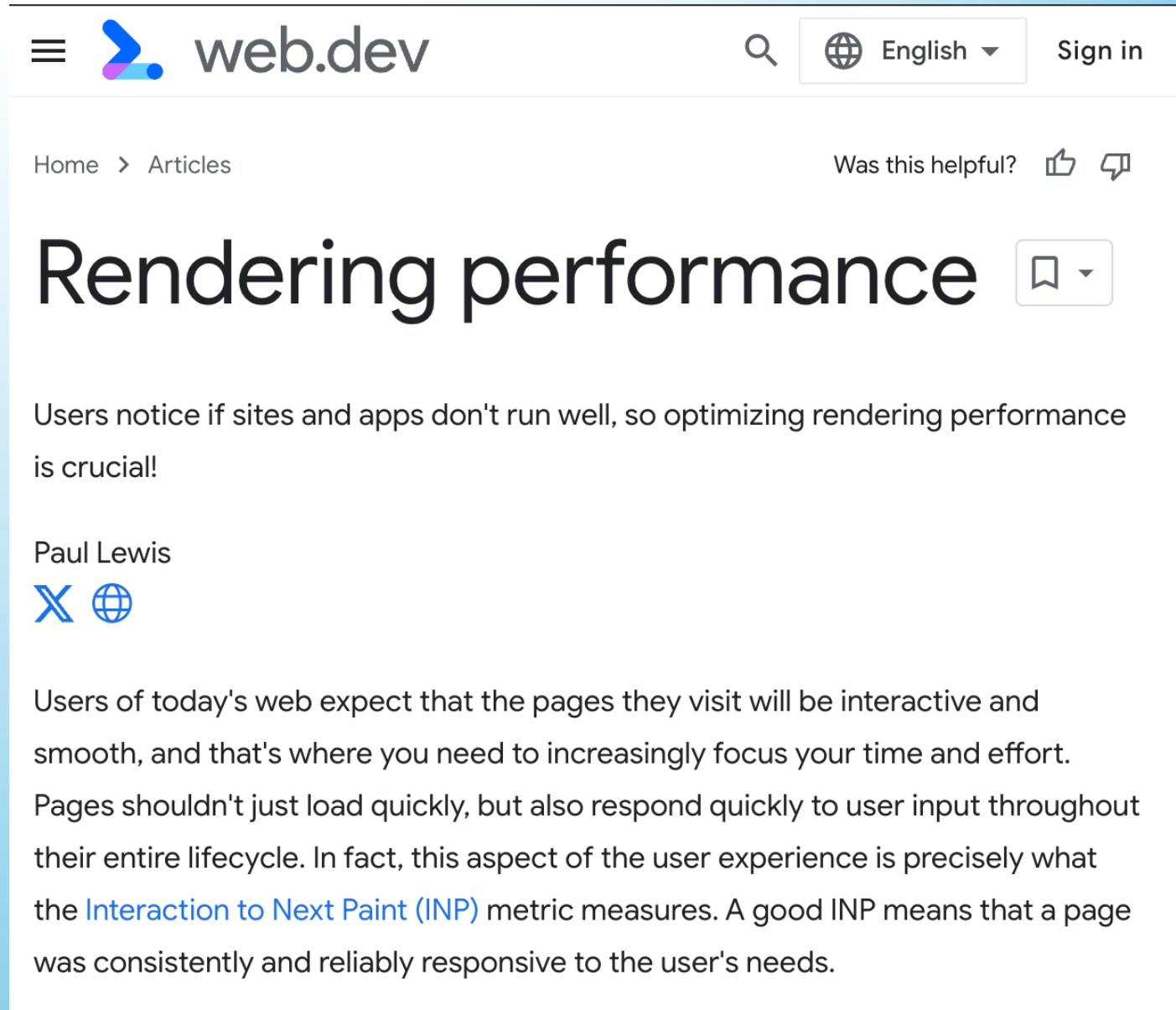
Cons

1. Initial load might be a bit slow
2. Loading is delayed upon cache invalidation
3. Delayed data fetching
4. Not great for SEO

Close to the
metal...




How browsers work...



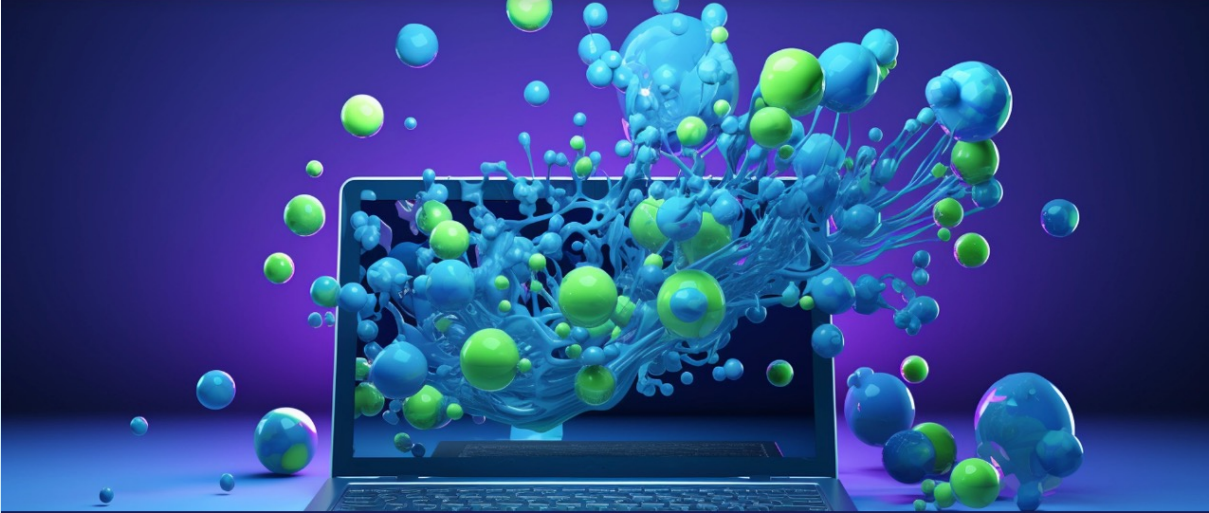
The screenshot shows the top navigation bar of the web.dev website. On the left, there is a hamburger menu icon, the web.dev logo (a stylized 'w' with a blue and purple gradient), and the text 'web.dev'. On the right, there is a search icon, a language selector showing 'English' with a globe icon and a dropdown arrow, and a 'Sign in' link. Below the navigation bar, the breadcrumb 'Home > Articles' is on the left, and 'Was this helpful?' with thumbs up and thumbs down icons is on the right. The main title of the article is 'Rendering performance' in a large, bold, black font, with a bookmark icon and a dropdown arrow to its right. Below the title, the text reads: 'Users notice if sites and apps don't run well, so optimizing rendering performance is crucial!'. The author's name 'Paul Lewis' is listed below, followed by a blue 'X' icon and a globe icon. The main body of the article contains two paragraphs: 'Users of today's web expect that the pages they visit will be interactive and smooth, and that's where you need to increasingly focus your time and effort. Pages shouldn't just load quickly, but also respond quickly to user input throughout their entire lifecycle. In fact, this aspect of the user experience is precisely what the [Interaction to Next Paint \(INP\)](#) metric measures. A good INP means that a page was consistently and reliably responsive to the user's needs.'

<https://web.dev/articles/rendering-performance>

Digging deep...



UDACITY
Part of Accenture



Free

Browser Rendering Optimization

Course

This course will demystify the browser's rendering pipeline and make it easy for you to build high performance web apps.

Enroll Now ▶

<https://www.udacity.com/course/browser-rendering-optimization--ud860>

Do we need more control?

The screenshot shows the 'Compute Pressure API' page on the Chrome for Developers website. The page header includes the Chrome logo, 'Chrome for Developers', a search icon, a dark mode toggle, a language selector set to 'English', and a 'Sign in' link. The main heading is 'Web Platform'. Below this is a breadcrumb trail: 'Home > Docs > Web Platform'. To the right of the breadcrumb is a 'Was this helpful?' section with thumbs up and thumbs down icons. The title 'Compute Pressure API' is prominently displayed with a bookmark icon. Below the title is the text 'Get informed about your system compute pressure.' Three contributors are listed: Jeff Posnick, Kenneth Christiansen, and Arnaud (Arno) Mandy. Each contributor has a circular profile picture, their name, and social media icons for X, GitHub, and a globe. The main content area begins with the text: 'The Compute Pressure API offers high-level states that represent the pressure on the system. It allows the implementation to use the right underlying hardware metrics to ensure that users can take advantage of all the processing power available to them as long as the system is not under unmanageable stress.'

<https://github.com/w3c/compute-pressure/>

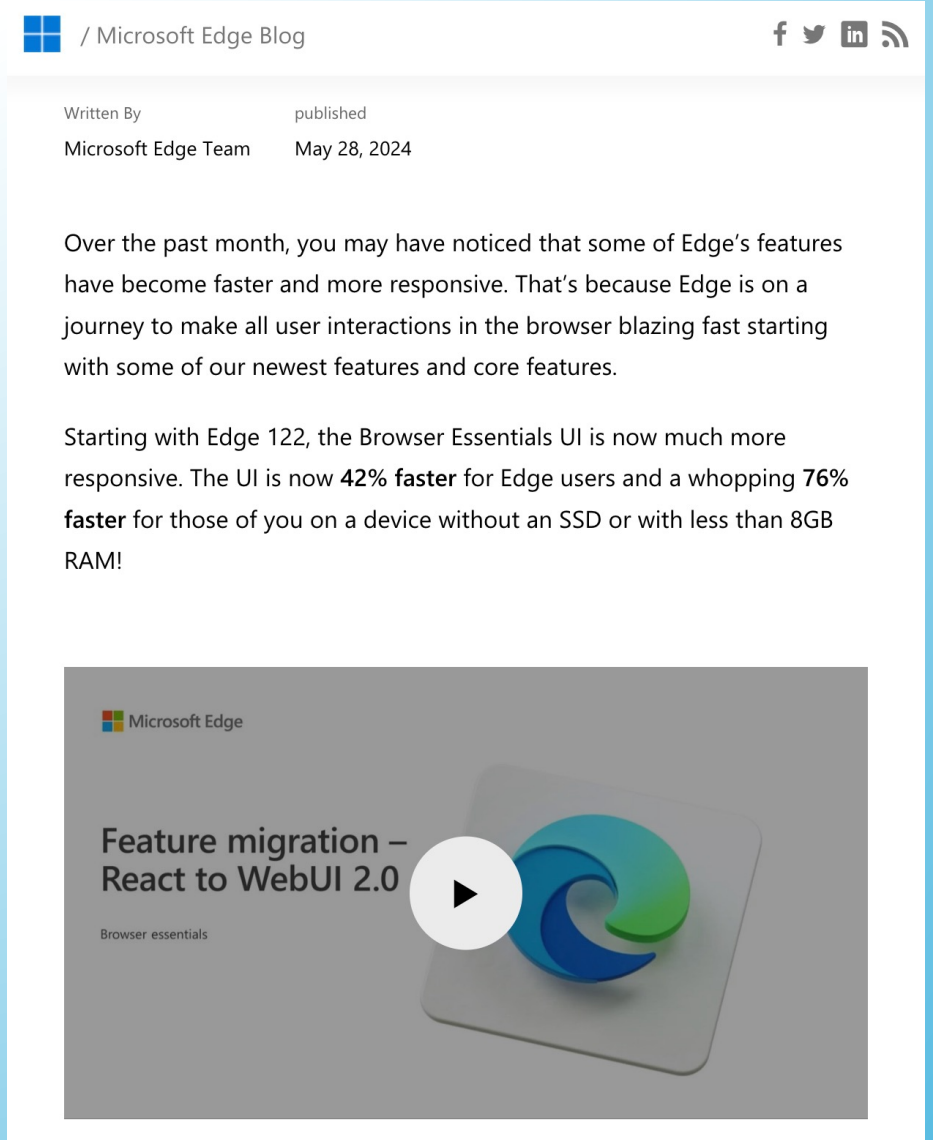
Things to
consider...



Always bet on the platform!

Microsoft Edge migrating its UI from React to web components.

“The UI is now 42% faster for Edge users and a whopping 76% faster for those on a device without an SSD or with less than 8GB RAM!



The screenshot shows a Microsoft Edge Blog post. At the top, there is a navigation bar with the Microsoft Edge logo and the text "/ Microsoft Edge Blog". To the right of the navigation bar are social media icons for Facebook, Twitter, LinkedIn, and RSS. Below the navigation bar, the post is attributed to "Microsoft Edge Team" and dated "May 28, 2024". The main text of the post discusses the migration of Edge's UI from React to web components, highlighting performance improvements. A video player is embedded at the bottom of the post, showing a 3D Microsoft Edge logo with a play button overlay. The video title is "Feature migration - React to WebUI 2.0" and the subtitle is "Browser essentials".

Microsoft Edge Blog

Written By: Microsoft Edge Team | published: May 28, 2024

Over the past month, you may have noticed that some of Edge's features have become faster and more responsive. That's because Edge is on a journey to make all user interactions in the browser blazing fast starting with some of our newest features and core features.


Starting with Edge 122, the Browser Essentials UI is now much more responsive. The UI is now **42% faster** for Edge users and a whopping **76% faster** for those of you on a device without an SSD or with less than 8GB RAM!

Feature migration - React to WebUI 2.0
Browser essentials

<https://blogs.windows.com/msedgedev/2024/05/28/an-even-faster-microsoft-edge/>

Do you need
JavaScript for
everything?

performance **now()**



Ryan Townsend
**The Unbearable Weight
of Massive JavaScript**

SpeedCurve Google catchpoint SENTRY Speed Kit
DebugBear 0:00 / 52:47 loveholidays perfwork moz://a RUM VISI iron.io Bloomberg

The Unbearable Weight of Massive JavaScript | Ryan Townsend | performance.now() 2023

Web Conferences Amsterdam 9.21K subscribers Join Subscribe 185 Share Download ...

<https://css-irl.info/kicking-the-excessive-javascript-habit/>
<https://www.youtube.com/watch?v=f5felHJiACE>

Things to ponder

- Check what HTML can do before reinventing it
 - links ping
 - images loading
 - details/summary
 - dialog
 - popover
 - datalist
- Let the browser handle things...
- Do your users need that feature or do you want them to?
- The best performing code is the one you never have to write...

Thanks, let's rock and roll...

Chris Heilmann

VP Developer Relations

chris@wearedevelopers.com

<https://christianheilmann.com>

