



Performance Report for: <https://mogrify.co.uk/>

Report generated: Wed, Mar 13, 2024 10:37 PM -0700
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

B	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	75%	87%	2.3s	272ms	0

Top Issues

Med	Use explicit width and height on image elements <small>CLS</small>	3 images found
Med-Low	Serve static assets with an efficient cache policy	Potential savings of 320KB
Med-Low	Avoid an excessive DOM size <small>TBT</small>	1,395 elements
Med-Low	Avoid document.write()	1 instance found
Low	Eliminate render-blocking resources <small>FCP LCP</small>	Potential savings of 159ms

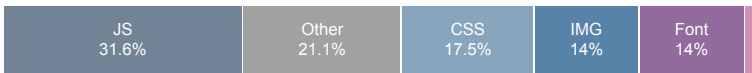
Page Details



Total Page Size - 1.17MB



Total Page Requests - 57



■ HTML
 ■ JS
 ■ CSS
 ■ IMG
 ■ Video
 ■ Font
 ■ Other

How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

About GTmetrix

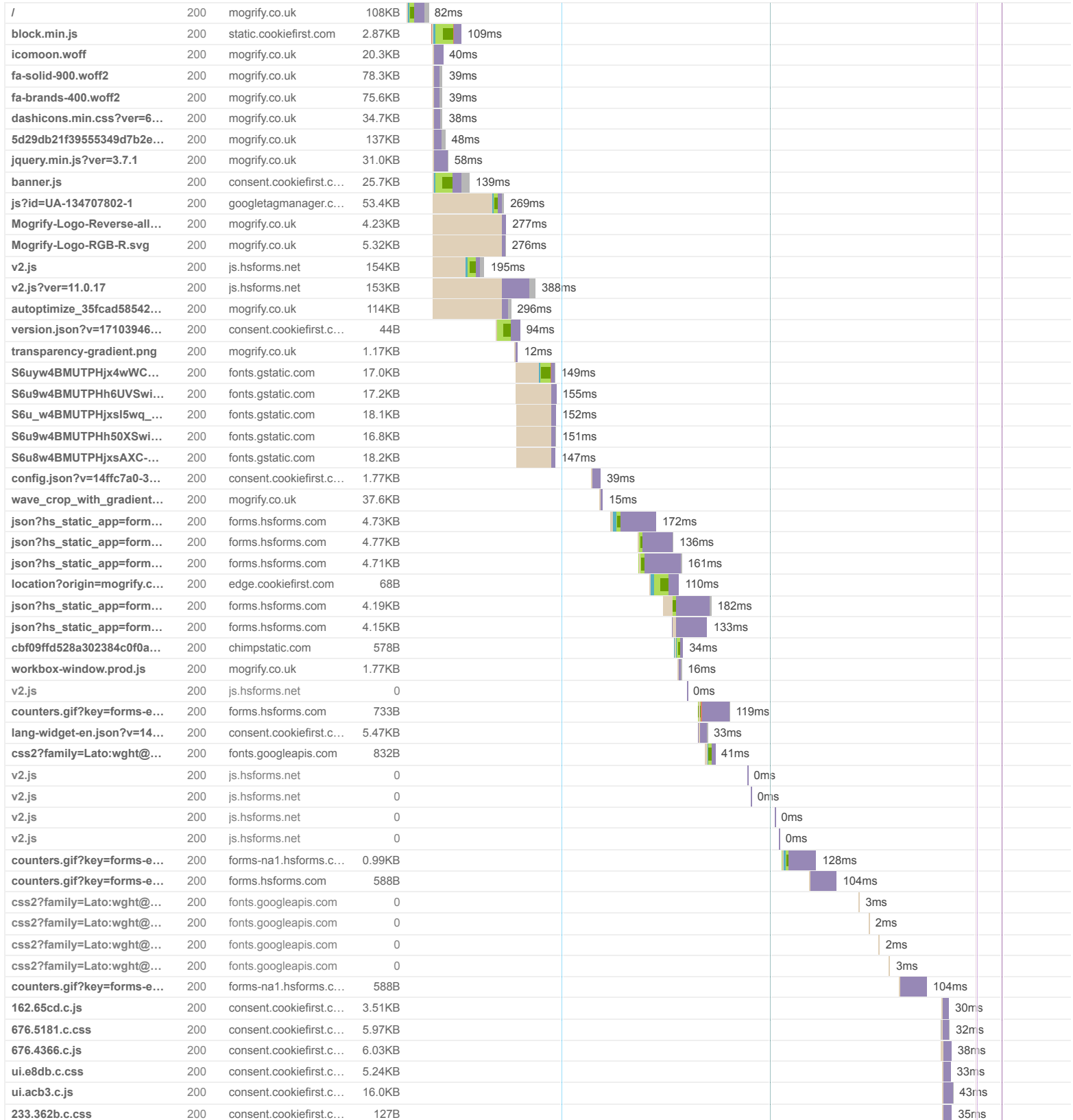


GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

<https://carbon60.com/>

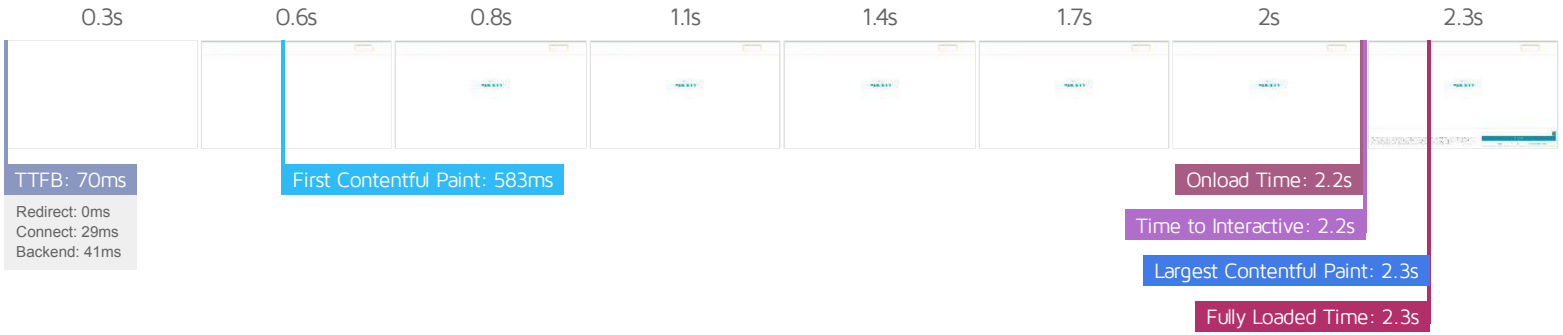
The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

Mogrify | Reprogramming Health



233.8420.c.js	200	consent.cookiefirst.c...	96B			35ms
styles.css?v=14ffc7a0-34...	200	consent.cookiefirst.c...	1.09KB			33ms
web-app-manifest	200	mogrify.co.uk	836B			76ms
200x200-e1561719732578....	200	mogrify.co.uk	1.34KB			13ms

57 Requests 1.17MB (6.51MB Uncompressed) Fully Loaded 2.3s (Onload 2.2s)



Performance Metrics

<p>First Contentful Paint</p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>Good - Nothing to do here</p> <p>582ms</p>	<p>Time to Interactive</p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>Good - Nothing to do here</p> <p>2.2s</p>
<p>Speed Index</p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Longer than recommended</p> <p>1.7s</p>	<p>Total Blocking Time</p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Longer than recommended</p> <p>272ms</p>
<p>Largest Contentful Paint</p> <p>How long it takes for the largest element of content (e.g. a hero image) to be painted on your page. A good user experience is 1.2s or less.</p>	<p>Longer than recommended</p> <p>2.3s</p>	<p>Cumulative Layout Shift</p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>Good - Nothing to do here</p> <p>0</p>

Browser Timings

Redirect	0ms	Connect	29ms	Backend	41ms
TTFB	70ms	First Paint	583ms	DOM Int.	1.0s
DOM Loaded	1.4s	Onload	2.2s	Fully Loaded	2.3s

IMPACT AUDIT

Low **Reduce JavaScript execution time** TBT 1.0s spent executing JavaScript

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this.

URL	TOTAL CPU TIME	SCRIPT EVALUATION	SCRIPT PARSE
• https://js.hsforms.net/forms/v2.js	692ms	540ms	92ms
• https://mogrify.co.uk/	553ms	72ms	5ms
• Unattributable	485ms	154ms	0ms
• https://mogrify.co.uk/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	154ms	105ms	1ms
• https://mogrify.co.uk/wp-content/cache/autoptimize/js/autoptimize_35fcad585423e6f0dadd58fea9c4d715.js	119ms	66ms	7ms

Low **Avoid long main-thread tasks** TBT 8 long tasks found

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay.

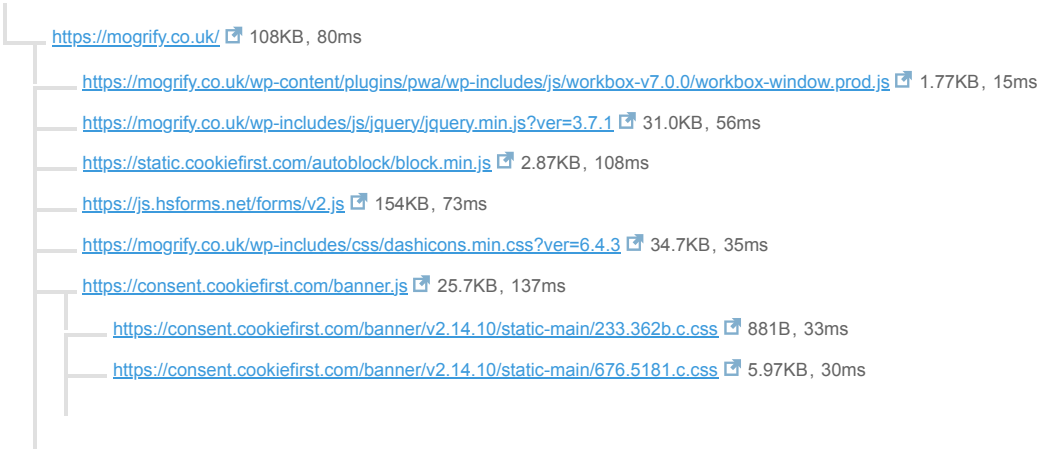
URL	START TIME	DURATION
• https://js.hsforms.net/forms/embed/v2.js?ver=11.0.17	1.2s	204ms
• https://static.cookiefirst.com/autoblock/block.min.js	217ms	108ms
• Unattributable	1.9s	104ms
• https://static.cookiefirst.com/autoblock/block.min.js	770ms	80ms
• https://static.cookiefirst.com/autoblock/block.min.js	399ms	78ms
• https://static.cookiefirst.com/autoblock/block.min.js	611ms	67ms
• https://mogrify.co.uk/	709ms	59ms
• https://mogrify.co.uk/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	2.1s	55ms

Low **Avoid chaining critical requests** FCP LCP 13 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: **2.1s**

INITIAL NAVIGATION



<https://consent.cookiefirst.com/banner/v2.14.10/static-main/ui.e8db.c.css> 5.24KB, 32ms

<https://mogrify.co.uk/wp-content/uploads/fusion-styles/5d29db21f39555349d7b2ec3f796cfb7.min.css?ver=3.0.2> 137KB, 45ms

<https://fonts.gstatic.com/s/lato/v24/S6u9w4BMUTPHh50XSwiPHw3q5d0.woff> 16.9KB, 67ms

<https://fonts.gstatic.com/s/lato/v24/S6u8w4BMUTPHjxsAXC-sNiXg7Q.woff> 18.3KB, 64ms

<https://fonts.gstatic.com/s/lato/v24/S6uyw4BMUTPHjx4wWCWtFCc.woff> 17.6KB, 64ms

https://fonts.gstatic.com/s/lato/v24/S6u_w4BMUTPHjxsl5wq_Gwfrx9897g.woff 18.3KB, 68ms

<https://fonts.gstatic.com/s/lato/v24/S6u9w4BMUTPHh6UVSwiPHw3q5d0.woff> 17.3KB, 70ms

Low

Ensure text remains visible during webfont load FCP LCP

5 fonts found

Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading.

URL	POTENTIAL SAVINGS
https://fonts.gstatic.com/s/lato/v24/S6uyw4BMUTPHjx4wWCWtFCc.woff	64ms
https://fonts.gstatic.com/s/lato/v24/S6u9w4BMUTPHh6UVSwiPHw3q5d0.woff	70ms
https://fonts.gstatic.com/s/lato/v24/S6u_w4BMUTPHjxsl5wq_Gwfrx9897g.woff	68ms
https://fonts.gstatic.com/s/lato/v24/S6u9w4BMUTPHh50XSwiPHw3q5d0.woff	67ms
https://fonts.gstatic.com/s/lato/v24/S6u8w4BMUTPHjxsAXC-sNiXg7Q.woff	64ms

Low

Preconnect to required origins FCP LCP

Potential savings of 50ms

Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to important third-party origins.

URL	POTENTIAL SAVINGS
https://consent.cookiefirst.com	50ms

Low

Avoid enormous network payloads LCP

Total size was 1.18MB

Large network payloads cost users real money and are highly correlated with long load times.

URL	TRANSFER SIZE
https://js.hsforms.net/forms/v2.js	154KB
https://js.hsforms.net/forms/embed/v2.js?ver=11.0.17	153KB
https://mogrify.co.uk/wp-content/uploads/fusion-styles/5d29db21f39555349d7b2ec3f796cfb7.min.css?ver=3.0.2	137KB
https://mogrify.co.uk/wp-content/cache/autoptimize/js/autoptimize_35fcad585423e6f0dadd58fea9c4d715.js	114KB
https://mogrify.co.uk/	108KB
https://mogrify.co.uk/wp-content/themes/Avada/includes/lib/assets/fonts/fontawesome/webfonts/fa-solid-900.woff2	78.6KB
https://mogrify.co.uk/wp-content/themes/Avada/includes/lib/assets/fonts/fontawesome/webfonts/fa-brands-400.woff2	76.0KB
https://www.googletagmanager.com/gtag/js?id=UA-134707802-1	53.7KB
https://mogrify.co.uk/wp-content/uploads/2022/07/wave_crop_with_gradient_mirrored.jpg	37.7KB
https://mogrify.co.uk/wp-includes/css/dashicons.min.css?ver=6.4.3	34.7KB

Low

Reduce unused CSS FCP LCP

Potential savings of 244KB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• https://mogrify.co.uk/wp-content/uploads/fusion-styles/5d29db21f39555349d7b2ec3f796cfb7.min.css?ver=3.0.2	137KB	130KB
• .wp-block-pdfemb-pdf-embedder-viewer{max-width:none} ...	70.3KB	65.6KB
• https://mogrify.co.uk/wp-includes/css/dashicons.min.css?ver=6.4.3	34.7KB	34.7KB
• html { scroll-behavior: smooth; } ...	16.1KB	14.1KB

Low

Defer offscreen images

Potential savings of 5.32KB

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://mogrify.co.uk/wp-content/uploads/2022/05/Mogrify-Logo-RGB-R.svg	5.32KB	5.32KB

Low

Minify CSS FCP LCP

Potential savings of 3.64KB

Minifying CSS files can reduce network payload sizes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• html { scroll-behavior: smooth; } ...	16.1KB	3.64KB

Low

Avoid non-composited animations CLS

9 animated elements found

Animations which are not composited can be janky and increase CLS.

ELEMENT

NAME

div.fusion-layout-column > div.fusion-column-wrapper > div.fusion-button-wrapper > a.fusion-button

```
<a class="fusion-button button-flat fusion-button-default-size button-default button..." data-
animationtype="fadeInUp" data-animationduration="0.3" data-animationoffset="100%" target="lightbox"
rel="iLightbox" href="/wp-content/uploads/mogrify_reduced.mp4">
```

Unsupported CSS Property: clip-path

un-clip
py

CONTACT US

```
<span class="menu-text">
```

Unsupported CSS Property: clip-path

un-clip
py

div.fusion-layout-column > div.fusion-column-wrapper > div.fusion-button-wrapper > a.fusion-button

```
<a class="fusion-button button-flat fusion-button-default-size button-default button..." data-
animationtype="fadeInUp" data-animationduration="0.3" data-animationoffset="100%" target="_self"
href="/about/">
```

Unsupported CSS Property: clip-path

un-clip
py

div.fusion-layout-column > div.fusion-column-wrapper > div.fusion-aligncenter > a.fusion-button

```
<a class="fusion-button button-flat fusion-button-default-size button-default button..." target="_self"
href="/partnering/">
```

Unsupported CSS Property: clip-path

un-clip
py

div.fusion-layout-column > div.fusion-column-wrapper > div.fusion-aligncenter > a.fusion-button

```
<a class="fusion-button button-flat fusion-button-default-size button-default button..." target="_self"
href="/investors/">
```

Unsupported CSS Property: clip-path

un-clip
py

div.fusion-layout-column > div.fusion-column-wrapper > div.fusion-button-wrapper > a.fusion-button

```
<a class="fusion-button button-flat fusion-button-default-size button-default button..." data-
animationtype="fadeInUp" data-animationduration="0.3" data-animationoffset="100%" target="_self"
href="/technology/">
```

Unsupported CSS Property: clip-path

un-clip
py

SUBSCRIBE

```
<a class="fusion-button button-flat button-medium button-custom button-7 fusion-butt..." target="_self"
href="#" data-toggle="modal" data-target=".fusion-modal.standard_subscribe_form">
```

Unsupported CSS Property: clip-path

un-clip
py

div.fusion-layout-column > div.fusion-column-wrapper > div.fusion-button-wrapper > a.fusion-button

```
<a class="fusion-button button-flat fusion-button-default-size button-default button..." data-
animationtype="fadeIn" data-animationduration="0.3" data-animationoffset="100%" target="_self"
href="/news/">
```

Unsupported CSS Property: clip-path

un-clip
py

CONTACT US

```
<a class="fusion-button button-flat button-medium button-custom button-9 fusion-butt..." target="_self"
href="/contact-us/">
```

Unsupported CSS Property: clip-path

un-clip
py

Low

Reduce unused JavaScript LCP

Potential savings of 735KB

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://js.hsforms.net/forms/embed/v2.js?ver=11.0.17	153KB	87.2KB
https://mogrify.co.uk/wp-content/cache/autoptimze/js/autoptimze_35fcad585423e6f0dadd58fea9c4d715.js	114KB	85.8KB
https://js.hsforms.net/forms/v2.js	154KB	81.4KB
https://js.hsforms.net/forms/v2.js	154KB	81.4KB
https://js.hsforms.net/forms/v2.js	154KB	81.4KB
https://js.hsforms.net/forms/v2.js	154KB	81.2KB
https://js.hsforms.net/forms/v2.js	154KB	47.3KB
https://js.hsforms.net/forms/v2.js	154KB	47.3KB
https://js.hsforms.net/forms/v2.js	154KB	47.3KB
https://js.hsforms.net/forms/v2.js	154KB	47.3KB
https://js.hsforms.net/forms/v2.js	154KB	47.3KB

N/A **Largest Contentful Paint element** LCP 2,250 ms

This is the largest contentful element painted within the viewport.

ELEMENT

We use cookies to improve your experience and provide more personalized informa...
<p>

PHASE	% OF LCP	TIMING
TTFB	3%	69ms
Load Delay	0%	0ms
Load Time	0%	0ms
Render Delay	97%	2.2s

N/A **Reduce initial server response time** FCP LCP Root document took 40ms

Keep the server response time for the main document short because all other requests depend on it.

URL	TIME SPENT
• https://mogrify.co.uk/	40ms

N/A **Avoid large layout shifts** CLS 2 elements found

These DOM elements contribute most to the CLS of the page.

ELEMENT

CLS
CONTRIBUTION

2018/2019 GROWTH PHASE \$3.7M seed capital raised, Dr. Darrin M. Disley, OBE ap...

```
<div class="fusion-fullwidth fullwidth-box fusion-builder-row-3 fusion-parallax-none h..."
style="background-color: rgba(255, 255, 255, 0); background-position: left bottom;" data-
bg="https://mogrifystage.wpengine.com/wp-content/uploads/2022/07/wave_crop_wit...">
```

0.00

ABOUT SCIENCE INVESTORS PARTNERSHIPS UPDATES CAREERS CONTACT US

```
<nav class="fusion-main-menu" aria-label="Main Menu">
```

0.00

N/A

Minimize main-thread work TBT

Main-thread busy for 2.1s

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.

CATEGORY

TIME SPENT

Script Evaluation

1.0s

Other

474ms

Style & Layout

319ms

Parse HTML & CSS

141ms

Script Parsing & Compilation

120ms

Garbage Collection

22ms

Rendering

21ms

N/A

Reduce the impact of third-party code TBT

Total size was 553KB

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading.

THIRD-PARTY	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
HUBSPOT	333KB	0ms
• https://js.hsforms.net/forms/v2.js	154KB	0ms
• https://js.hsforms.net/forms/embed/v2.js?ver=11.0.17	153KB	0ms
• Other resources	25.4KB	0ms
GOOGLE FONTS	89.1KB	0ms
• https://fonts.gstatic.com/s/lato/v24/S6u8w4BMUTPHjxsAXC-sNiXg7Q.woff	18.3KB	0ms
• https://fonts.gstatic.com/s/lato/v24/S6u_w4BMUTPHjxsI5wq_Gwfrx9897g.woff	18.3KB	0ms
• https://fonts.gstatic.com/s/lato/v24/S6uyw4BMUTPHjx4wWCWtFCc.woff	17.6KB	0ms
• https://fonts.gstatic.com/s/lato/v24/S6u9w4BMUTPHh6UVSwiPHw3q5d0.woff	17.3KB	0ms
• https://fonts.gstatic.com/s/lato/v24/S6u9w4BMUTPHh50XSwiPHw3q5d0.woff	16.9KB	0ms
COOKIEFIRST.COM	76.7KB	0ms
• https://consent.cookiefirst.com/banner.js	25.7KB	0ms
• https://consent.cookiefirst.com/banner/v2.14.10/static-main/ui.acb3.c.js	16.0KB	0ms
• https://consent.cookiefirst.com/banner/v2.14.10/static-main/676.4366.c.js	6.03KB	0ms
• https://consent.cookiefirst.com/banner/v2.14.10/static-main/676.5181.c.css	5.97KB	0ms
• https://consent.cookiefirst.com/sites/mogrify.co.uk-045822e7-5800-49a6-b400-c7737a512797/lang-wi-dget-en.json?v=14ffc7a0-34e2-4a2c-b19e-cd1d0da95df9	5.47KB	0ms
• Other resources	17.4KB	0ms
GOOGLE TAG MANAGER	53.7KB	0ms
• https://www.googletagmanager.com/gtag/js?id=UA-134707802-1	53.7KB	0ms
MAILCHIMP	578B	0ms

N/A

Avoid serving legacy JavaScript to modern browsers TBT

Nothing to do here, good job!

N/A

User Timing marks and measures

No user timings and/or marks found.