



Performance Report for: <https://eden.bio/>

Report generated: Tue, Mar 12, 2024 4:37 AM -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
	78%	90%	2.3s	0ms	0.01

Top Issues

High	Reduce initial server response time <small>FCP LCP</small>	Root document took 689ms
Med	Use explicit width and height on image elements <small>CLS</small>	1 image found
Med	Serve static assets with an efficient cache policy	Potential savings of 1.09MB
Med-Low	Use a Content Delivery Network (CDN)	36 resources found
Med-Low	Eliminate render-blocking resources <small>FCP LCP</small>	Potential savings of 221ms

Page Details



Total Page Size - 2.16MB



Total Page Requests - 49



Legend: 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

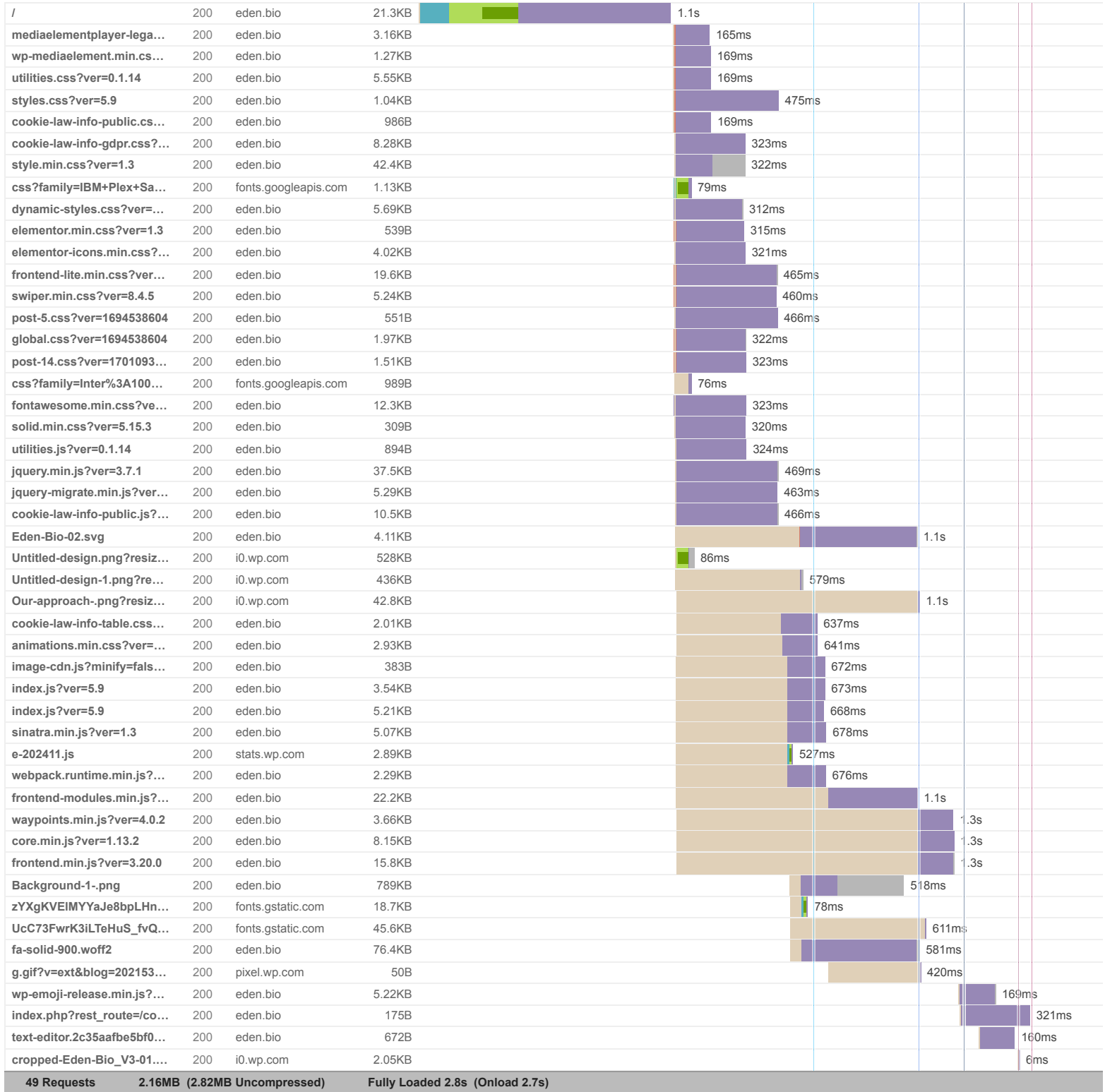


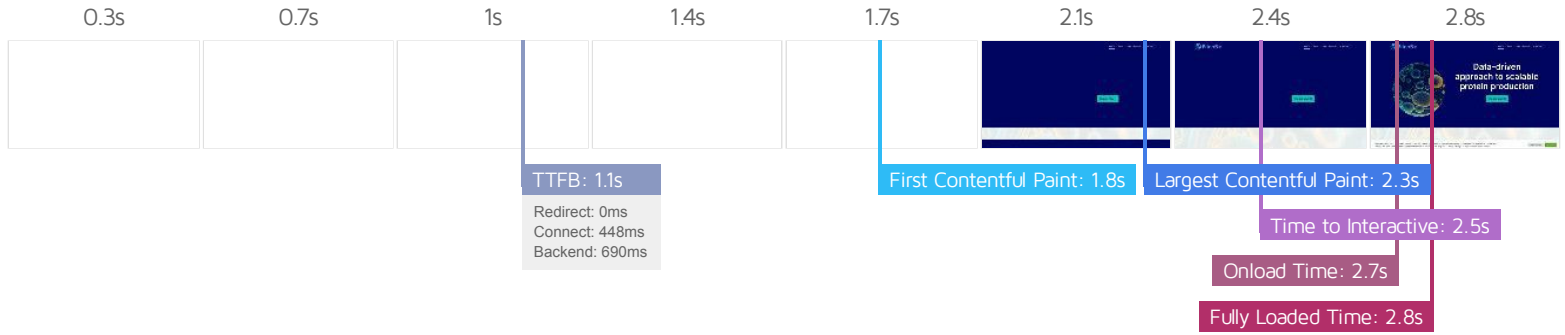
GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

<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.

Eden Bio - Eden Bio





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>Much longer than recommended</p> <p>1.8s</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>2.5s</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>2.1s</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>Good - Nothing to do here</p> <p>0ms</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>0.01</p>

Browser Timings

Redirect	0ms	Connect	448ms	Backend	690ms
TTFB	1.1s	First Paint	1.8s	DOM Int.	2.4s
DOM Loaded	2.5s	Onload	2.7s	Fully Loaded	2.8s

IMPACT AUDIT

Low

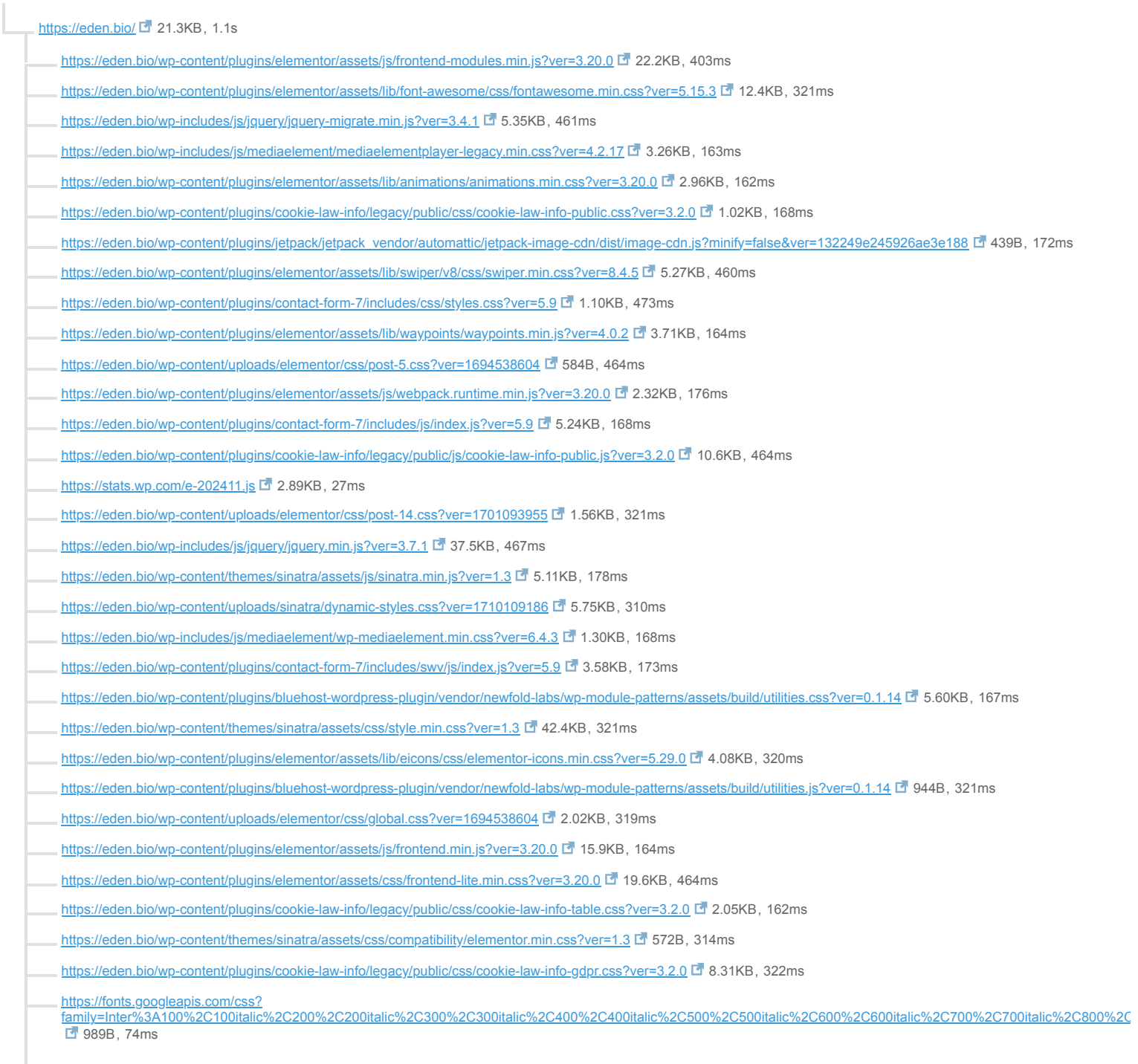
Avoid chaining critical requests FCP LCP

35 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: 2.4s

INITIAL NAVIGATION



- <https://eden.bio/wp-includes/js/jquery/ui/core.min.js?ver=1.13.2> 8.20KB, 166ms
- <https://eden.bio/wp-content/plugins/elementor/assets/lib/font-awesome/css/solid.min.css?ver=5.15.3> 342B, 318ms
- <https://eden.bio/wp-content/plugins/elementor/assets/lib/font-awesome/webfonts/fa-solid-900.woff2> 76.4KB, 537ms
- <https://fonts.googleapis.com/css?family=IBM+Plex+Sans%3A400%7CInter%3A400&display=swap&subsets=latin&ver=1.3> 1.13KB, 78ms
- <https://fonts.gstatic.com/s/ibmplexsans/v19/zYXgKVEIMYJaJe8bpLHnCwDKhdHeFQ.woff2> 19.2KB, 33ms

Low **Avoid enormous network payloads** LCP Total size was 2.17MB

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

URL	TRANSFER SIZE
https://eden.bio/wp-content/uploads/2023/11/Background-1-.png	789KB
https://i0.wp.com/eden.bio/wp-content/uploads/2023/11/Untitled-design.png?resize=1024%2C1024&ssl=1	529KB
https://i0.wp.com/eden.bio/wp-content/uploads/2023/11/Untitled-design-1.png?resize=768%2C768&ssl=1	437KB
https://eden.bio/wp-content/plugins/elementor/assets/lib/font-awesome/webfonts/fa-solid-900.woff2	76.4KB
https://fonts.gstatic.com/s/inter/v13/UcC73FwrK3iLTeHuS_fvQtMwCp50KnMa1ZL7.woff2	45.7KB
https://i0.wp.com/eden.bio/wp-content/uploads/2023/11/Our-approach-.png?resize=1024%2C576&ssl=1	42.8KB
https://eden.bio/wp-content/themes/sinatra/assets/css/style.min.css?ver=1.3	42.4KB
https://eden.bio/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	37.5KB
https://eden.bio/wp-content/plugins/elementor/assets/js/frontend-modules.min.js?ver=3.20.0	22.2KB
https://eden.bio/	21.3KB

Low **Serve images in next-gen formats** Potential savings of 756KB

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://eden.bio/wp-content/uploads/2023/11/Background-1-.png	789KB	756KB

Low **Avoid an excessive DOM size** TBT 316 elements

A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows.

STATISTIC	ELEMENT	VALUE
Total DOM Elements		316
Maximum DOM Depth	Cookie <th class="cookie-law-info-column-1">	16
Maximum Child Elements	body.home <body data-rs=ssl="1" class="home page-template-default page page-id-14 wp-custom-logo wp-embed-respons..." style="--si-sticky-h-offset: 90px; --si-screen-width: 1366px;" data-elementor-device-mode="desktop">	27

Low **Properly size images** Potential savings of 464KB

Serve images that are appropriately-sized to save cellular data and improve load time.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://i0.wp.com/eden.bio/wp-content/uploads/2023/11/Untitled-design.png?resize=1024%2C1024&ssl=1	528KB	430KB
https://i0.wp.com/eden.bio/wp-content/uploads/2023/11/Untitled-design-1.png?resize=768%2C768&ssl=1	436KB	33.4KB

LOW

Ensure text remains visible during webfont load FCP LCP

1 font 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/inter/v13/UcC73FwrK3iLTeHuS_fvQtMwCp50KnMa1ZL7.woff2	7ms

LOW

Avoid long main-thread tasks TBT

1 long task found

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

URL	START TIME	DURATION
https://eden.bio/	1.7s	60ms

LOW

Reduce unused CSS FCP LCP

Potential savings of 68.6KB

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://eden.bio/wp-content/themes/sinatra/assets/css/style.min.css?ver=1.3	42.4KB	37.3KB
https://eden.bio/wp-content/plugins/elementor/assets/css/frontend-lite.min.css?ver=3.20.0	19.6KB	19.0KB
https://eden.bio/wp-content/plugins/elementor/assets/lib/font-awesome/css/fontawesome.min.css?ver=5.15.3	12.4KB	12.3KB

LOW

Avoid non-composited animations CLS

1 animated element found

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

ELEMENT	NAME
Cookie Settings	
<code></code>	
Unsupported CSS Property: color	color

LOW

Minify JavaScript FCP LCP

Potential savings of 2.08KB

Minifying JavaScript files can reduce payload sizes and script parse time.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://eden.bio/wp-content/plugins/cookie-law-info/legacy/public/js/cookie-law-info-public.js?ver=3.2.0	10.6KB	2.08KB

N/A

Largest Contentful Paint element LCP

2,250 ms

This is the largest contentful element painted within the viewport.

ELEMENT

Explore the forefront of genetic engineering and protein yield optimisation wit...

```
<section class="elementor-section elementor-top-section elementor-element elementor-elemen..." data-id="2595695b" data-element_type="section" data-settings="{&quot;background_background&quot;:&quot;classic&quot;,&quot;stretch_section&quot;:&quot;section-stretched&quot;}" style="width: 1366px; left: 0px;">
```

PHASE	% OF LCP	TIMING
TTFB	51%	1.1s
Load Delay	26%	582ms
Load Time	21%	473ms
Render Delay	3%	58ms

N/A **Reduce JavaScript execution time** TBT 89ms 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://eden.bio/	248ms	34ms	2ms
• Unattributable	92ms	0ms	0ms
• https://eden.bio/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	72ms	50ms	1ms

N/A **Avoid large layout shifts** CLS 5 elements found

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

ELEMENT	CLS CONTRIBUTION
Home News Meet the team Contact <nav class="site-navigation main-navigation sinatra-primary-nav sinatra-nav si-header-..." role="navigation" itemtype="https://schema.org/SiteNavigationElement" itemscope="itemscope" aria-label="Site Navigation" aria-haspopup="true">	0.01
Enquire now 	0.00
Meet the team 	0.00
News 	0.00
li#menu-item-1466 > a > span > ::before <::before>	0.00

N/A

Minimize main-thread work TBT

Main-thread busy for 516ms

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

CATEGORY	TIME SPENT
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Other	211ms
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Script Evaluation	132ms
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Style & Layout	119ms
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Parse HTML & CSS	27ms
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Rendering	15ms
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Script Parsing & Compilation	9ms
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N/A

Reduce the impact of third-party code TBT

Total size was 1.06MB

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
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WORDPRESS	0.99MB	0ms
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• https://i0.wp.com/eden.bio/wp-content/uploads/2023/11/Untitled-design.png?resize=1024%2C1024&ssl=1	529KB	0ms
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• https://i0.wp.com/eden.bio/wp-content/uploads/2023/11/Untitled-design-1.png?resize=768%2C768&ssl=1	437KB	0ms
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GOOGLE FONTS	67.1KB	0ms
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• https://fonts.gstatic.com/s/inter/v13/UcC73FwrK3iLTeHuS_fvQtMwCp50KnMa1ZL7.woff2	45.7KB	0ms
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• https://fonts.gstatic.com/s/ibmplexsans/v19/zYXgKVEIMYYaJe8bpLHnCwDKhdHeFQ.woff2	19.2KB	0ms
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WORDPRESS SITE STATS	3.06KB	0ms
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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.