



Performance Report for: <https://www.ozette.com/>

Report generated: Tue, Mar 12, 2024 7:44 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
	89%	75%	1.6s	0ms	0

Top Issues

High	Avoid enormous network payloads <small>LCP</small>	Total size was 5.64MB
Med	Serve static assets with an efficient cache policy	Potential savings of 5.41MB
Med	Use a Content Delivery Network (CDN)	57 resources found
Med-Low	Efficiently encode images	Potential savings of 1.31MB
Med-Low	Eliminate render-blocking resources <small>FCP LCP</small>	Potential savings of 277ms

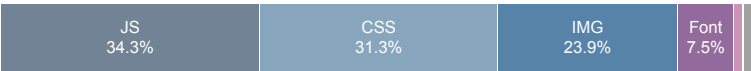
Page Details



Total Page Size - 5.63MB



Total Page Requests - 67



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

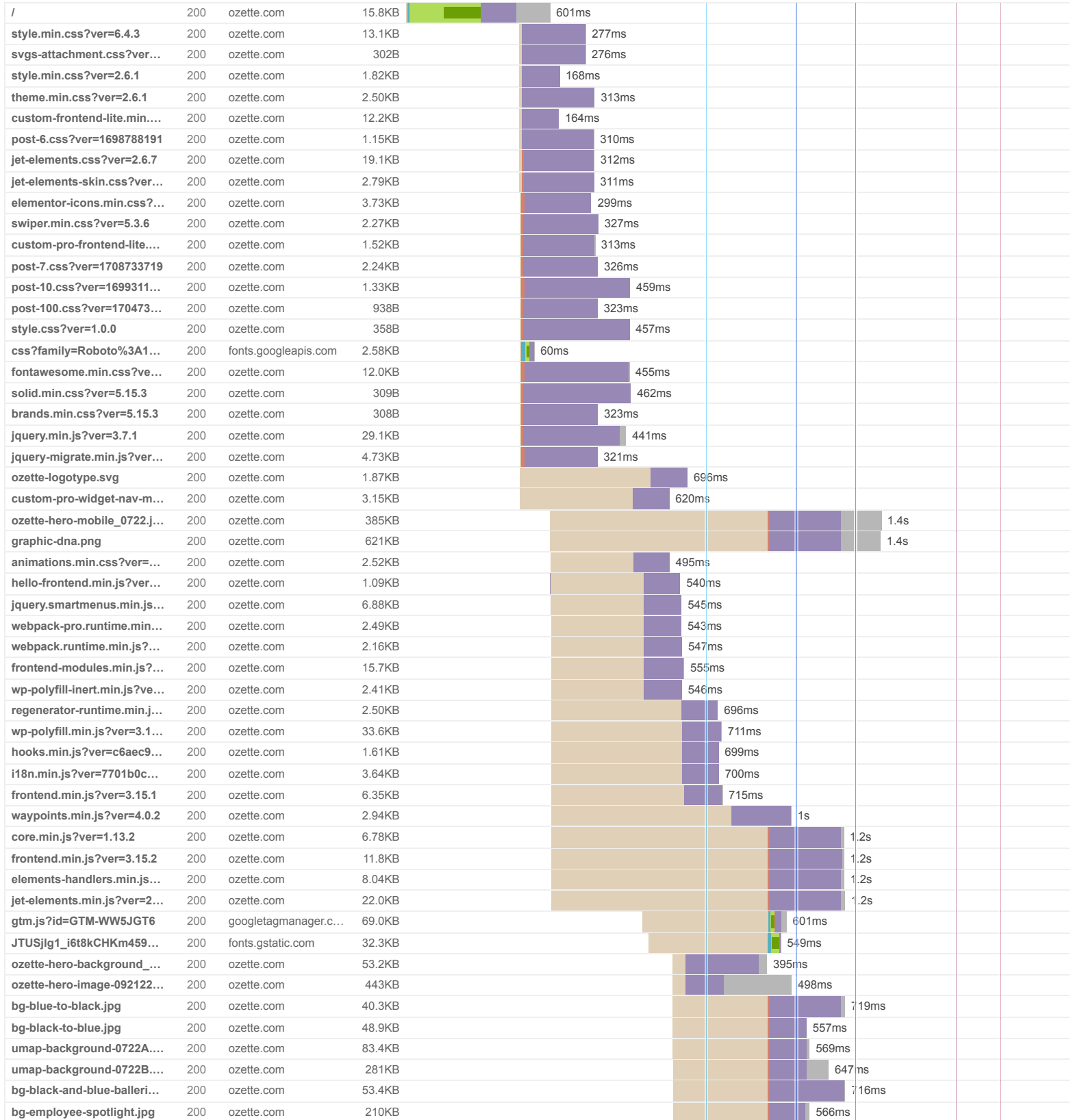


GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

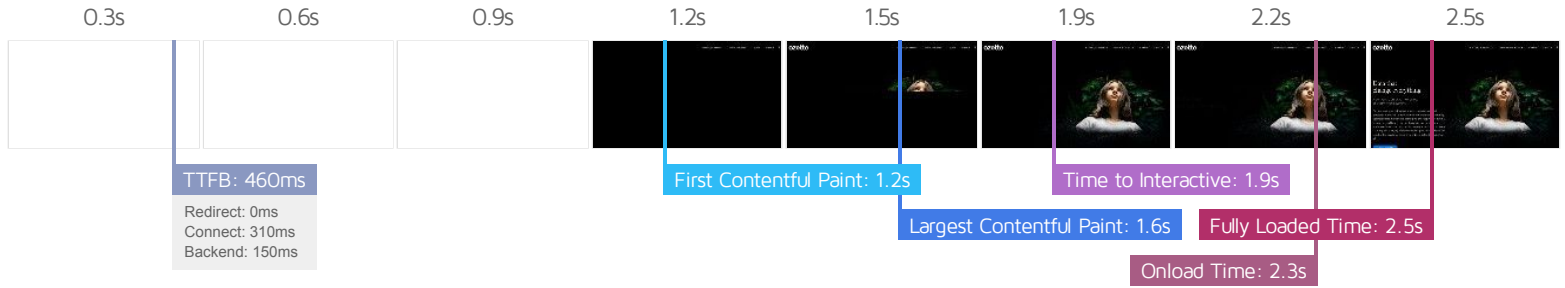
<https://carbon60.com/>

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.

Ozette - Ozette Technologies



bg-employee-texture.jpg	200	ozette.com	349KB					841ms	
bg-technology-06-tmp-1.jpg	200	ozette.com	259KB					784ms	
j8_r6-DH1bjoc-dwi-3UEA....	200	fonts.gstatic.com	28.4KB					443ms	
fa-brands-400.woff2	200	ozette.com	75.0KB					484ms	
graphic-data-personal-07...	200	ozette.com	887KB					738ms	
umap-graphic-0722.png	200	ozette.com	244KB					856ms	
ballerinas-fixed.png	200	ozette.com	1.05MB					885ms	
js?id=G-GEN3GVTLW&l...	200	googletagmanager.c...	87.2KB					60ms	
wp-emoji-release.min.js?...	200	ozette.com	4.67KB					183ms	
nav-menu.3347cc64f9b3d...	200	ozette.com	1.67KB					152ms	
text-editor.2c35aafbe5bf0...	200	ozette.com	763B					154ms	
fa-solid-900.woff2	200	ozette.com	76.4KB					179ms	
eicons.woff2?5.21.0	200	ozette.com	92.1KB					171ms	
OZETTE_FinalLogoMark_...	200	ozette.com	296B					153ms	
67 Requests 5.63MB (7.03MB Uncompressed) Fully Loaded 2.5s (Onload 2.3s)									



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>Longer than recommended</p> <p>1.2s</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>1.9s</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>OK, but consider improvement</p> <p>1.5s</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>OK, but consider improvement</p> <p>1.6s</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	310ms	Backend	150ms
TTFB	460ms	First Paint	1.2s	DOM Int.	1.9s
DOM Loaded	1.9s	Onload	2.3s	Fully Loaded	2.5s

IMPACT AUDIT

Low

Properly size images

Potential savings of 327KB

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

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.ozette.com/wp-content/uploads/2022/07/graphic-data-personal-0722.png	887KB	240KB
https://www.ozette.com/wp-content/uploads/2022/07/umap-graphic-0722.png	244KB	86.8KB

Low

Serve images in next-gen formats

Potential savings of 4.25MB

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://www.ozette.com/wp-content/uploads/2022/05/ballerinas-fixed.png	1.05MB	0.97MB
https://www.ozette.com/wp-content/uploads/2022/07/graphic-data-personal-0722.png	887KB	792KB
https://www.ozette.com/wp-content/uploads/2022/05/graphic-dna.png	621KB	538KB
https://www.ozette.com/wp-content/uploads/2022/09/ozette-hero-image-092122.jpg	443KB	379KB
https://www.ozette.com/wp-content/uploads/2022/07/ozette-hero-mobile_0722.jpg	385KB	326KB
https://www.ozette.com/wp-content/uploads/2022/04/bg-employee-texture.jpg	349KB	271KB
https://www.ozette.com/wp-content/uploads/2022/09/umap-background-0722B.jpg	281KB	243KB
https://www.ozette.com/wp-content/uploads/2022/04/bg-technology-06-tmp-1.jpg	259KB	214KB
https://www.ozette.com/wp-content/uploads/2022/07/umap-graphic-0722.png	244KB	193KB
https://www.ozette.com/wp-content/uploads/2022/07/bg-employee-spotlight.jpg	210KB	169KB
https://www.ozette.com/wp-content/uploads/2022/09/umap-background-0722A.jpg	83.4KB	72.5KB
https://www.ozette.com/wp-content/uploads/2022/09/ozette-hero-background_0922.jpg	53.2KB	45.3KB
https://www.ozette.com/wp-content/uploads/2022/07/bg-black-and-blue-ballerinas-0722.jpg	53.4KB	44.2KB
https://www.ozette.com/wp-content/uploads/2022/07/bg-black-to-blue.jpg	48.9KB	42.0KB
https://www.ozette.com/wp-content/uploads/2022/07/bg-blue-to-black.jpg	40.3KB	34.0KB

Low

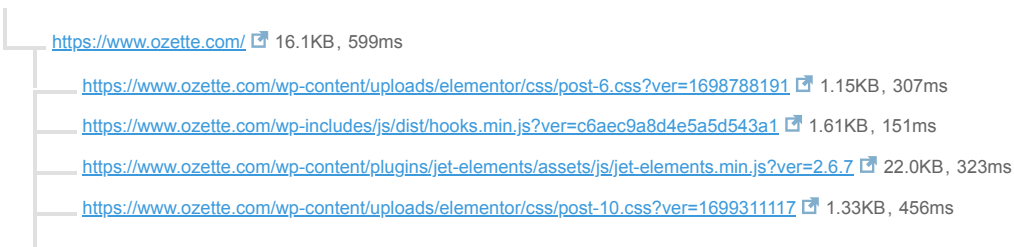
Avoid chaining critical requests FCP LCP

39 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: 2.3s

INITIAL NAVIGATION



- <https://www.ozette.com/wp-includes/js/dist/vendor/regenerator-runtime.min.js?ver=0.14.0> 2.50KB, 152ms
- <https://www.ozette.com/wp-content/plugins/elementor/assets/js/webpack.runtime.min.js?ver=3.15.2> 2.16KB, 162ms
- <https://www.ozette.com/wp-content/uploads/elementor/css/post-100.css?ver=1704736297> 938B, 321ms
- <https://www.ozette.com/wp-content/plugins/elementor-pro/assets/lib/smartmenus/jquery.smartmenus.min.js?ver=1.0.1> 6.88KB, 160ms
- <https://www.ozette.com/wp-content/plugins/elementor/assets/lib/animations/animations.min.css?ver=3.15.2> 2.52KB, 152ms
- <https://www.ozette.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3> 13.1KB, 274ms
- <https://www.ozette.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2> 2.41KB, 160ms
- <https://www.ozette.com/wp-content/themes/hello-elementor/style.min.css?ver=2.6.1> 1.82KB, 165ms
- <https://www.ozette.com/wp-content/uploads/elementor/css/post-7.css?ver=1708733719> 2.24KB, 323ms
- <https://www.ozette.com/wp-content/plugins/jet-elements/assets/css/jet-elements.css?ver=2.6.7> 19.1KB, 309ms
- <https://www.ozette.com/wp-content/plugins/jet-elements/assets/css/jet-elements-skin.css?ver=2.6.7> 2.79KB, 308ms
- <https://www.ozette.com/wp-includes/js/jquery/ui/core.min.js?ver=1.13.2> 6.78KB, 319ms
- <https://www.ozette.com/wp-content/themes/hello-elementor/theme.min.css?ver=2.6.1> 2.50KB, 311ms
- <https://www.ozette.com/wp-content/plugins/elementor-pro/assets/js/webpack-pro.runtime.min.js?ver=3.15.1> 2.49KB, 158ms
- <https://www.ozette.com/wp-content/themes/hello-theme-child-master/style.css?ver=1.0.0> 628B, 454ms
- <https://www.ozette.com/wp-content/uploads/elementor/css/custom-pro-frontend-lite.min.css?ver=1698788191> 1.52KB, 310ms
- <https://www.ozette.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/fontawesome.min.css?ver=5.15.3> 12.0KB, 453ms
- <https://www.ozette.com/wp-content/plugins/elementor/assets/lib/swiper/css/swiper.min.css?ver=5.3.6> 2.27KB, 324ms
- <https://www.ozette.com/wp-content/uploads/elementor/css/custom-pro-widget-nav-menu.min.css?ver=1698788192> 3.15KB, 152ms
- <https://fonts.googleapis.com/css?family=Roboto%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%2C800italic%2C900%2C900italic> 2.58KB, 57ms
- <https://www.ozette.com/wp-content/uploads/elementor/css/custom-frontend-lite.min.css?ver=1698788191> 12.2KB, 161ms
- <https://www.ozette.com/wp-includes/js/dist/i18n.min.js?ver=7701b0c3857f914212ef> 3.64KB, 153ms
- <https://www.ozette.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1> 29.1KB, 437ms
- <https://www.ozette.com/wp-content/plugins/elementor/assets/lib/waypoints/waypoints.min.js?ver=4.0.2> 2.94KB, 248ms
- <https://www.ozette.com/wp-content/plugins/elementor/assets/lib/eicons/css/elementor-icons.min.css?ver=5.21.0> 3.73KB, 296ms
- <https://www.ozette.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1> 4.73KB, 317ms
- <https://www.ozette.com/wp-content/themes/hello-elementor/assets/js/hello-frontend.min.js?ver=1.0.0> 1.09KB, 155ms
- <https://www.ozette.com/wp-content/plugins/elementor/assets/js/frontend.min.js?ver=3.15.2> 11.8KB, 319ms
- <https://www.ozette.com/wp-content/plugins/elementor-pro/assets/js/frontend.min.js?ver=3.15.1> 6.35KB, 160ms
- <https://www.ozette.com/wp-content/plugins/elementor/assets/js/frontend-modules.min.js?ver=3.15.2> 15.7KB, 170ms
- <https://www.ozette.com/wp-content/plugins/svg-support/css/svg-support-attachment.css?ver=6.4.3> 302B, 273ms
- <https://www.ozette.com/wp-content/plugins/elementor-pro/assets/js/elements-handlers.min.js?ver=3.15.1> 8.04KB, 320ms
- <https://www.ozette.com/wp-includes/js/dist/vendor/wp-polyfill.min.js?ver=3.15.0> 33.6KB, 164ms
- <https://www.ozette.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/brands.min.css?ver=5.15.3> 578B, 319ms
- <https://www.ozette.com/wp-content/plugins/elementor/assets/lib/font-awesome/webfonts/fa-brands-400.woff2> 75.2KB, 431ms
- <https://www.ozette.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/solid.min.css?ver=5.15.3> 579B, 458ms
- <https://www.ozette.com/wp-content/plugins/elementor/assets/lib/font-awesome/webfonts/fa-solid-900.woff2> 76.6KB, 156ms

Low

Reduce unused CSS FCP LCP

Potential savings of 55.7KB

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://www.ozette.com/wp-content/plugins/jet-elements/assets/css/jet-elements.css?ver=2.6.7	19.1KB	19.1KB
https://www.ozette.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	13.1KB	13.1KB
https://www.ozette.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/fontawesome.min.css?ver=5.15.3	12.0KB	11.9KB
https://www.ozette.com/wp-content/uploads/elementor/css/custom-frontend-lite.min.css?ver=1698788191	12.2KB	11.6KB

Low

Ensure text remains visible during webfont load FCP LCP

3 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/montserrat/v26/JTUSjlg1_i6t8kCHKm459Wlhyw.woff2	54ms
https://fonts.gstatic.com/s/adamina/v21/j8_r6-DH1bjoc-dwi-3UEA.woff2	55ms
https://www.ozette.com/wp-content/plugins/elementor/assets/lib/eicons/fonts/eicons.woff2?5.21.0	156ms

Low

Avoid an excessive DOM size TBT

411 elements

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

STATISTIC	ELEMENT	VALUE
Total DOM Elements		411
Maximum DOM Depth	li.menu-item > a#sm-17102546897736562-1 > span.sub-arrow > i.fas <i class="fas fa-caret-down">	18
Maximum Child Elements	body.home <body class="home page-template-default page page-id-7 wp-custom-logo elementor-default..." data-elementor-device-mode="desktop">	28

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://www.ozette.com/	1.1s	60ms

Low

Reduce JavaScript execution time TBT

218ms 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://www.ozette.com/	289ms	11ms	2ms
https://www.ozette.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	181ms	150ms	1ms
Unattributable	171ms	11ms	0ms
https://www.googletagmanager.com/gtm.js?id=GTM-WW5JGT6	50ms	38ms	2ms

Low

Reduce initial server response time FCP LCP

Root document took 149ms

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

URL	TIME SPENT
• https://www.ozette.com/	149ms

Low **Defer offscreen images** Potential savings of 1.23MB

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://www.ozette.com/wp-content/uploads/2022/07/ozette-hero-mobile_0722.jpg	385KB	385KB
https://www.ozette.com/wp-content/uploads/2022/04/bg-employee-texture.jpg	349KB	349KB
https://www.ozette.com/wp-content/uploads/2022/04/bg-technology-06-tmp-1.jpg	259KB	259KB
https://www.ozette.com/wp-content/uploads/2022/07/bg-employee-spotlight.jpg	210KB	210KB
https://www.ozette.com/wp-content/uploads/2022/07/bg-black-and-blue-ballerinas-0722.jpg	53.4KB	53.4KB

Low **Avoid non-composited animations** CLS 1 animated element found

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

ELEMENT	NAME
About Ozette 	visibility
Unsupported CSS Property: visibility	

Low **Reduce unused JavaScript** LCP Potential savings of 97.5KB

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

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.googletagmanager.com/gtag/js?id=G-GEN3GVTPWLW&l=dataLayer&cx=c	87.3KB	41.4KB
https://www.googletagmanager.com/gtm.js?id=GTM-WW5JGT6	69.4KB	35.3KB
https://www.ozette.com/wp-content/plugins/jet-elements/assets/js/jet-elements.min.js?ver=2.6.7	22.0KB	20.9KB

N/A **Largest Contentful Paint element** LCP 1,620 ms

This is the largest contentful element painted within the viewport.

ELEMENT
Data that change everything. How Ozette unlocks the secrets of the immune syste... <section class="elementor-section elementor-top-section elementor-element elementor-elemen..." data-id="6b7ca04" data-element_type="section" data-settings="{"background_background":"classic","jet_parallax_layout_list":[],"stretch_..." style="width: 1366px; left: 0px;">

PHASE	% OF LCP	TIMING
TTFB	28%	460ms
Load Delay	43%	702ms
Load Time	21%	342ms
Render Delay	7%	116ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 109B

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers.

URL	POTENTIAL SAVINGS
https://www.ozette.com/wp-content/themes/hello-elementor/assets/js/hello-frontend.min.js?ver=1.0.0 Line:0 Column:103	59B
https://www.ozette.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2 Line:0 Column:452	50B

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

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

ELEMENT	CLS CONTRIBUTION
Technology & Research News & Publications Careers About Us <pre><ul id="menu-1-3e3ba1f" class="elementor-nav-menu" data-smartmenus-id="17102546897736562"></pre>	0.00
div.elementor-container > div.elementor-column > div.elementor-widget-wrap > div.elementor-element <pre><div class="elementor-element elementor-element-8af6210 elementor-widget elementor-wid..." data-id="8af6210" data-element_type="widget" data-widget_type="theme-site-logo.default"></pre>	0.00

N/A **Minimize main-thread work** TBT Main-thread busy for 900ms

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	345ms
Other	304ms
Style & Layout	155ms
Parse HTML & CSS	42ms
Script Parsing & Compilation	24ms
Rendering	21ms
Garbage Collection	6ms

N/A

Reduce the impact of third-party code TBT

Total size was 221KB

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
GOOGLE TAG MANAGER	157KB	0ms
• https://www.googletagmanager.com/gtag/js?id=G-GEN3GVTPW&l=dataLayer&cx=c	87.3KB	0ms
• https://www.googletagmanager.com/gtm.js?id=GTM-WW5JGT6	69.4KB	0ms
GOOGLE FONTS	64.0KB	0ms
• https://fonts.gstatic.com/s/montserrat/v26/JTUSjlg1_i6t8kCHKm459Wlhyw.woff2	32.9KB	0ms
• https://fonts.gstatic.com/s/adamina/v21/j8_r6-DH1bjoc-dwi-3UEA.woff2	28.6KB	0ms

N/A

User Timing marks and measures

No user timings and/or marks found.