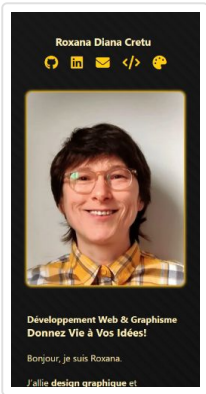https://roxanadc.github.io/portfolio/index.html

⋮

50

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49   50–89   90–100

METRICS   Expand view
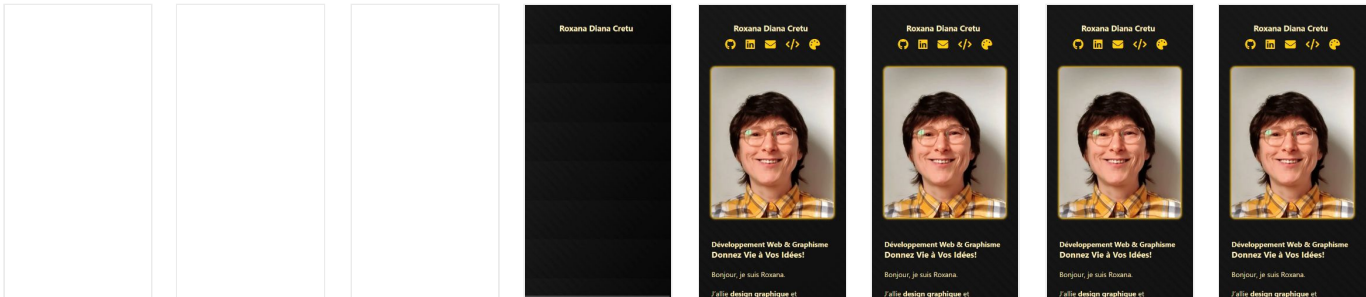
▲ First Contentful Paint   ▲ Largest Contentful Paint
3.6 s   **4.2 s**

▲ Total Blocking Time   Cumulative Layout Shift
1,630 ms   **0**

Speed Index
4.3 s

⬛ **View Treemap**

Show audits relevant to: All   FCP   LCP   TBT

DIAGNOSTICS

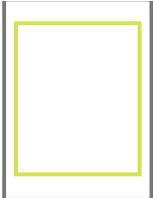▲ Minimize main-thread work — 8.9 s   ⌃

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this. Learn how to minimize main-thread work [TBT]

Category	Time Spent
Other	3,370 ms
Style & Layout	2,476 ms
Script Evaluation	1,519 ms
Parse HTML & CSS	595 ms
Script Parsing & Compilation	514 ms
Rendering	384 ms

⚠ Largest Contentful Paint element   — 4,180 ms   ⌃

This is the largest contentful element painted within the viewport. Learn more about the Largest Contentful Paint element [LCP]

Element

img#rox_img

Phase	% of LCP	Timing
TTFB	18%	760 ms
Load Delay	0%	0 ms
Load Time	14%	580 ms
Render Delay	68%	2,840 ms

⚠ Eliminate render-blocking resources   — Potential savings of 580 ms   ⌃

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles. Learn how to eliminate render-blocking resources. [FCP] [LCP]

URL	Transfer Size	Potential Savings
jQuery CDN [Cdn]	**30.0 KiB**	**1,160 ms**
/jquery-3.7.1.min.js (code.jquery.com)	30.0 KiB	1,160 ms
Cloudflare CDN [Cdn]	**22.6 KiB**	**1,020 ms**
…css/all.min.css (cdnjs.cloudflare.com)	22.6 KiB	1,020 ms

🔺 Reduce JavaScript execution time — 1.9 s   ⌃

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this. Learn how to reduce Javascript execution time. [TBT]

☑ Show 3rd-party resources (3)

URL	Total CPU Time	Script Evaluation	Script Parse
GitHub [Utility] [1st Party]	**5,842 ms**	**798 ms**	**414 ms**
/portfolio/index.html (roxanadc.github.io)	5,416 ms	526 ms	411 ms
…js/app_h.js (roxanadc.github.io)	426 ms	273 ms	2 ms
Unattributable	**1,780 ms**	**38 ms**	**0 ms**
Unattributable	1,780 ms	38 ms	0 ms
jQuery CDN [Cdn]	**569 ms**	**455 ms**	**46 ms**
/jquery-3.7.1.min.js (code.jquery.com)	569 ms	455 ms	46 ms
Cloudflare CDN [Cdn]	**269 ms**	**0 ms**	**0 ms**
…css/all.min.css (cdnjs.cloudflare.com)	269 ms	0 ms	0 ms
Google Dictionary (by Google) [Chrome Extension]	**179 ms**	**97 ms**	**38 ms**
chrome-extension://mgijmajocgfcbeboacabfgobmjgjcoja/content.min.js	179 ms	97 ms	38 ms

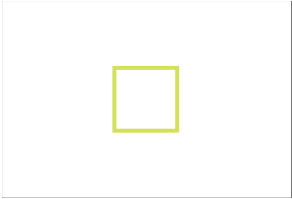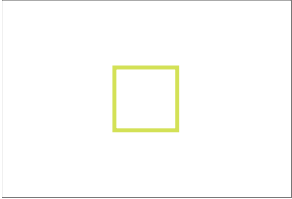Serve static assets with an efficient cache policy — 16 resources found   ⌃

A long cache lifetime can speed up repeat visits to your page. Learn more about efficient cache policies.

URL	Cache TTL	Transfer Size
GitHub [Utility] [1st Party]		**70 KiB**
…images/roxana.webp (roxanadc.github.io)	10m	22 KiB
…images/photoshop-logo.webp (roxanadc.github.io)	10m	12 KiB
…images/cv_picture_small.png (roxanadc.github.io)	10m	9 KiB
…images/wix-logo.webp (roxanadc.github.io)	10m	6 KiB
…images/react-logo.webp (roxanadc.github.io)	10m	3 KiB
/portfolio/styles.css (roxanadc.github.io)	10m	3 KiB
…images/carte_miro.jpg (roxanadc.github.io)	10m	2 KiB
…images/illustrator-logo.webp (roxanadc.github.io)	10m	2 KiB
…images/html-logo.webp (roxanadc.github.io)	10m	2 KiB
…images/css-logo.webp (roxanadc.github.io)	10m	2 KiB
…images/sass-logo.webp (roxanadc.github.io)	10m	1 KiB
…images/mongodb-logo.webp (roxanadc.github.io)	10m	1 KiB
…images/nodejs-logo.webp (roxanadc.github.io)	10m	1 KiB
…images/javascript-logo.webp (roxanadc.github.io)	10m	1 KiB
…js/app_h.js (roxanadc.github.io)	10m	1 KiB
…js/app.js (roxanadc.github.io)	10m	0 KiB

Properly size images — Potential savings of 17 KiB ⌃

Serve images that are appropriately-sized to save cellular data and improve load time. Learn how to size images. [FCP] [LCP]

URL	Resource Size	Potential Savings
GitHub [Utility] [1st Party]	**17.7 KiB**	**16.6 KiB**

URL	Resource Size	Potential Savings
img …images/photoshop-logo.webp (roxanadc.github.io)	11.6 KiB	10.8 KiB
img …images/wix-logo.webp (roxanadc.github.io)	6.1 KiB	5.8 KiB

Reduce unused CSS — Potential savings of 22 KiB ⌃

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity. [Learn how to reduce unused CSS]. `FCP` `LCP`

URL	Transfer Size	Potential Savings
Cloudflare CDN `Cdn`	**21.9 KiB**	**21.7 KiB**
…css/all.min.css (cdnjs.cloudflare.com)	21.9 KiB	21.7 KiB

Reduce unused JavaScript — Potential savings of 44 KiB ⌃

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity. [Learn how to reduce unused JavaScript]. `FCP` `LCP`

URL	Transfer Size	Potential Savings
chrome-extension://fmkadmapgofadopljbjfkapdkoienihi/build/installHook.js	48.9 KiB	43.8 KiB
../../react-devtools-shared/src/backend/fiber/renderer.js	16.2 KiB	16.2 KiB
../../../build/oss-experimental/react-debug-tools/cjs/react-debug-tools.production.js	4.2 KiB	3.8 KiB
../../react-devtools-shared/src/backend/legacy/renderer.js	3.6 KiB	3.6 KiB
../../react-devtools-shared/src/backend/profilingHooks.js	2.9 KiB	2.7 KiB

URL	Transfer Size	Potential Savings
../../react-devtools-shared/src/utils.js	2.4 KiB	2.3 KiB

Reduce the impact of third-party code — Third-party code blocked the main thread for 710 ms ∧

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. Learn how to minimize third-party impact. [TBT]

Third-Party	Transfer Size	Main-Thread Blocking Time
jQuery CDN [Cdn]	**30 KiB**	**488 ms**
/jquery-3.7.1.min.js (code.jquery.com)	30 KiB	488 ms
Cloudflare CDN [Cdn]	**294 KiB**	**219 ms**
…css/all.min.css (cdnjs.cloudflare.com)	23 KiB	219 ms
…webfonts/fa-solid-900.woff2 (cdnjs.cloudflare.com)	155 KiB	0 ms
…webfonts/fa-brands-400.woff2 (cdnjs.cloudflare.com)	117 KiB	0 ms
Google Dictionary (by Google) [Chrome Extension]	**3 KiB**	**0 ms**
chrome-extension://mgijmajocgfcbeboacabfgobmjgjcoja/content.min.css	3 KiB	0 ms

⊙ Avoid long main-thread tasks — 20 long tasks found ∧

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay. Learn how to avoid long main-thread tasks [TBT]

☑ Show 3rd-party resources (3)

URL	Start Time	Duration
GitHub [Utility] [1st Party]		**3,599 ms**
/portfolio/index.html (roxanadc.github.io)	1,528 ms	880 ms
/portfolio/index.html (roxanadc.github.io)	909 ms	576 ms
/portfolio/index.html (roxanadc.github.io)	3,962 ms	555 ms
/portfolio/index.html (roxanadc.github.io)	3,480 ms	482 ms
…js/app_h.js (roxanadc.github.io)	5,655 ms	244 ms

URL	Start Time	Duration
/portfolio/index.html (roxanadc.github.io)	2,677 ms	220 ms
/portfolio/index.html (roxanadc.github.io)	6,070 ms	196 ms
/portfolio/index.html (roxanadc.github.io)	5,899 ms	171 ms
…js/app_h.js (roxanadc.github.io)	4,925 ms	111 ms
/portfolio/index.html (roxanadc.github.io)	4,773 ms	93 ms
…js/app_h.js (roxanadc.github.io)	5,543 ms	71 ms
Unattributable		**624 ms**
Unattributable	4,638 ms	135 ms
Unattributable	5,036 ms	129 ms
Unattributable	4,517 ms	121 ms
Unattributable	6,393 ms	90 ms
Unattributable	5,279 ms	79 ms
Unattributable	5,165 ms	70 ms
jQuery CDN [Cdn]		**538 ms**
/jquery-3.7.1.min.js (code.jquery.com)	2,897 ms	538 ms
Cloudflare CDN [Cdn]		**269 ms**
…css/all.min.css (cdnjs.cloudflare.com)	2,408 ms	269 ms
Google Dictionary (by Google) [Chrome Extension]		**129 ms**
chrome-extension://mgijmajocgfcbeboacabfgobmjgjcoja/content.min.js	5,358 ms	129 ms

○ Avoids an excessive DOM size — 132 elements ⌄

A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows. Learn how to avoid an excessive DOM size. [TBT]

Statistic	Element	Value
Total DOM Elements		132
Maximum DOM Depth	strong	7
Maximum Child Elements	div.cells	18

○ Initial server response time was short — Root document took 130 ms ⌃

Keep the server response time for the main document short because all other requests depend on it. Learn more about the Time to First Byte metric. FCP LCP

URL	Time Spent
GitHub Utility 1st Party	**130 ms**
/portfolio/index.html (roxanadc.github.io)	130 ms

○ User Timing marks and measures — 2 user timings ⌃

Consider instrumenting your app with the User Timing API to measure your app's real-world performance during key user experiences. Learn more about User Timing marks.

Name	Type	Start Time	Duration
__v3	Mark	0.00 ms	
clearMarks	Mark	579.22 ms	

○ Avoids enormous network payloads — Total size was 398 KiB ⌃

Large network payloads cost users real money and are highly correlated with long load times. Learn how to reduce payload sizes.

☑ Show 3rd-party resources (4)

URL	Transfer Size
Cloudflare CDN Cdn	**294.4 KiB**
…webfonts/fa-solid-900.woff2 (cdnjs.cloudflare.com)	155.2 KiB
…webfonts/fa-brands-400.woff2 (cdnjs.cloudflare.com)	116.7 KiB
…css/all.min.css (cdnjs.cloudflare.com)	22.6 KiB
GitHub Utility 1st Party	**55.2 KiB**
…images/roxana.webp (roxanadc.github.io)	21.5 KiB
…images/photoshop-logo.webp (roxanadc.github.io)	11.8 KiB
…images/cv_picture_small.png (roxanadc.github.io)	8.9 KiB
…images/wix-logo.webp (roxanadc.github.io)	6.4 KiB
/portfolio/index.html (roxanadc.github.io)	3.3 KiB
…images/react-logo.webp (roxanadc.github.io)	3.2 KiB
jQuery CDN Cdn	**30.0 KiB**
/jquery-3.7.1.min.js (code.jquery.com)	30.0 KiB

○ Avoid chaining critical requests — 5 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. Learn how to avoid chaining critical requests.

Maximum critical path latency: **1,379.879 ms**

Initial Navigation

/portfolio/index.html (roxanadc.github.io)

…css/all.min.css (cdnjs.cloudflare.com)

…webfonts/fa-brands-400.woff2 (cdnjs.cloudflare.com) - **298.513 ms, 116.65 KiB**

…webfonts/fa-solid-900.woff2 (cdnjs.cloudflare.com) - **328.96 ms, 155.22 KiB**

/portfolio/styles.css (roxanadc.github.io) - **250.593 ms, 2.89 KiB**

/jquery-3.7.1.min.js (code.jquery.com) - **442.674 ms, 29.99 KiB**

…js/app.js (roxanadc.github.io) - **251.55 ms, 0.44 KiB**

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

PASSED AUDITS (23)   Hide

Defer offscreen images   ∧

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive. [Learn how to defer offscreen images](#). `FCP` `LCP`

Minify CSS   ∧

Minifying CSS files can reduce network payload sizes. [Learn how to minify CSS](#). `FCP` `LCP`

Minify JavaScript   ∧

Minifying JavaScript files can reduce payload sizes and script parse time. [Learn how to minify JavaScript](#). `FCP` `LCP`

Efficiently encode images   ∧

Optimized images load faster and consume less cellular data. [Learn how to efficiently encode images](#). `FCP` `LCP`

Serve images in next-gen formats   ∧

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption. [Learn more about modern image formats](#). `FCP` `LCP`

Enable text compression   ∧

Text-based resources should be served with compression (gzip, deflate or brotli) to minimize total network bytes. [Learn more about text compression](#). `FCP` `LCP`

Preconnect to required origins   ∧

Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to important third-party origins. [Learn how to preconnect to required origins](#). `LCP` `FCP`

Avoid multiple page redirects   ∧

Redirects introduce additional delays before the page can be loaded. [Learn how to avoid page redirects](#). `LCP` `FCP`

Use HTTP/2   ∧

HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiplexing. [Learn more about HTTP/2](#). `LCP` `FCP`

Use video formats for animated content   ⌃

Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WebM videos for animations and PNG/WebP for static images instead of GIF to save network bytes. [Learn more about efficient video formats](#) `FCP` `LCP`

Remove duplicate modules in JavaScript bundles   ⌃

Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by network activity. `FCP` `LCP`

Avoid serving legacy JavaScript to modern browsers   ⌃

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. [Learn how to use modern JavaScript](#) `FCP` `LCP`

Preload Largest Contentful Paint image   ⌃

If the LCP element is dynamically added to the page, you should preload the image in order to improve LCP. [Learn more about preloading LCP elements](#). `LCP`

All text remains visible during webfont loads   ⌃

Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading. [Learn more about `font-display`](#).
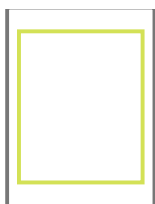
◯ Lazy load third-party resources with facades   ⌃

Some third-party embeds can be lazy loaded. Consider replacing them with a facade until they are required. [Learn how to defer third-parties with a facade](#). `TBT`

Largest Contentful Paint image was not lazily loaded   ⌃

Above-the-fold images that are lazily loaded render later in the page lifecycle, which can delay the largest contentful paint. [Learn more about optimal lazy loading](#). `LCP`

Element
img#rox_img

Avoid large layout shifts

These are the largest layout shifts observed on the page. Each table item represents a single layout shift, and shows the element that shifted the most. Below each item are possible root causes that led to the layout shift. Some of these layout shifts may not be included in the CLS metric value due to windowing. Learn how to improve CLS CLS

Uses passive listeners to improve scrolling performance

Consider marking your touch and wheel event listeners as `passive` to improve your page's scroll performance. Learn more about adopting passive event listeners.

Avoids `document.write()`

For users on slow connections, external scripts dynamically injected via `document.write()` can delay page load by tens of seconds. Learn how to avoid document.write().

Avoid non-composited animations

Animations which are not composited can be janky and increase CLS. Learn how to avoid non-composited animations CLS

Image elements have explicit `width` and `height`

Set an explicit width and height on image elements to reduce layout shifts and improve CLS. Learn how to set image dimensions CLS

Has a `<meta name="viewport">` tag with `width` or `initial-scale`

A `<meta name="viewport">` not only optimizes your app for mobile screen sizes, but also prevents a 300 millisecond delay to user input. Learn more about using the viewport meta tag.

Page didn't prevent back/forward cache restoration

Many navigations are performed by going back to a previous page, or forwards again. The back/forward cache (bfcache) can speed up these return navigations. Learn more about the bfcache