http://localhost:4321/

56

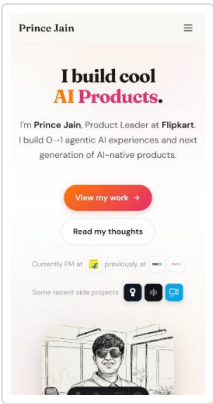# Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.
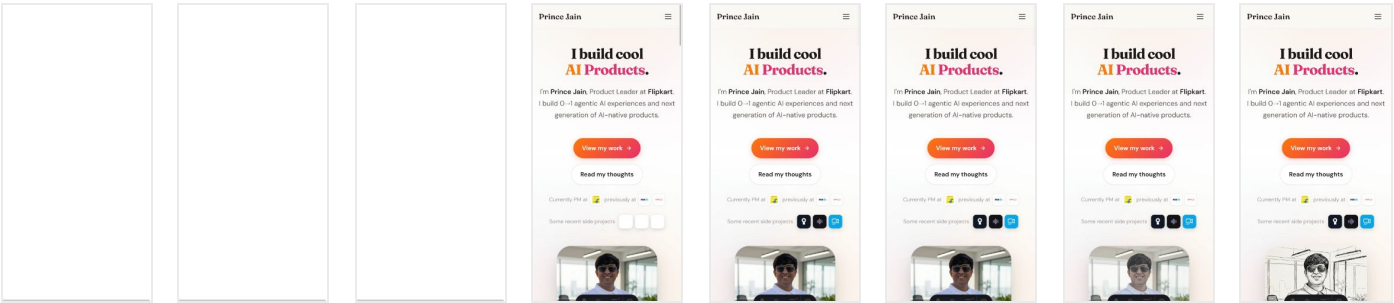
▲ 0–49 50–89 90–100

METRICS

Expand view

▲ First Contentful Paint

9.0 s

▲ Largest Contentful Paint

19.2 s

Total Blocking Time

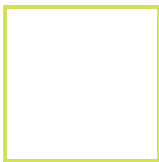10 ms

Cumulative Layout Shift

0

▲ Speed Index

9.0 s

Show audits relevant to: All   FCP   LCP   TBT

INSIGHTS

⚠️ LCP request discovery   ⌃

Optimize LCP by making the LCP image discoverable from the HTML immediately, and avoiding lazy-loading LCP Unscored

fetchpriority=high should be applied

Request is discoverable in initial document

lazy load not applied

img.hero-v2__image

⚠️ Network dependency tree   ⌃

Avoid chaining critical requests by reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load. LCP Unscored

Maximum critical path latency: **249 ms**

Initial Navigation

http://localhost:4321 **- 60 ms,** 174.82 KiB

...dev-toolbar/entrypoint.js?v=e6a54f21 (localhost) **- 62 ms,** 51.54 KiB

...audit/index.js?v=e6a54f21 (localhost) **- 198 ms,** 37.11 KiB

...rules/index.js?v=e6a54f21 (localhost) **- 219 ms,** 7.17 KiB

...rules/a11y.js?v=e6a54f21 (localhost) **- 234 ms,** 119.62 KiB

...deps/astro___aria-query.js?v=e6a54f21 (localhost) **- 246 ms,** 200.77 KiB

...deps/chunk-BUSYA2B4.js?v=e6a54f21 (localhost) **- 249 ms,** 1.67 KiB

...deps/astro___axobject-query.js?v=e6a54f21 (localhost) **- 246 ms,** 110.20 KiB

...rules/perf.js?v=e6a54f21 (localhost) - **237 ms,** 23.34 KiB

...ui/audit-ui.js?v=e6a54f21 (localhost) - **222 ms,** 27.66 KiB

...ui/audit-list-window.js?v=e6a54f21 (localhost) - **221 ms,** 51.10 KiB

...ui/audit-list-item.js?v=e6a54f21 (localhost) - **219 ms,** 16.65 KiB

...audit/annotations.js?v=e6a54f21 (localhost) - **219 ms,** 4.07 KiB

...ui-library/index.js?v=e6a54f21 (localhost) - **198 ms,** 6.68 KiB

...ui-library/tooltip.js?v=e6a54f21 (localhost) - **231 ms,** 22.84 KiB

...ui-library/toggle.js?v=e6a54f21 (localhost) - **230 ms,** 18.87 KiB

...ui-library/select.js?v=e6a54f21 (localhost) - **230 ms,** 18.02 KiB

...ui-library/radio-checkbox.js?v=e6a54f21 (localhost) - **229 ms,** 16.25 KiB

...ui-library/highlight.js?v=e6a54f21 (localhost) - **228 ms,** 21.45 KiB

...ui-library/icon.js?v=e6a54f21 (localhost) - **228 ms,** 5.83 KiB

...ui-library/button.js?v=e6a54f21 (localhost) - **225 ms,** 24.91 KiB

...ui-library/card.js?v=e6a54f21 (localhost) - **225 ms,** 19.68 KiB

...ui-library/badge.js?v=e6a54f21 (localhost) - **225 ms,** 16.40 KiB

...apps/xray.js?v=e6a54f21 (localhost) - **198 ms,** 30.57 KiB

...utils/highlight.js?v=e6a54f21 (localhost) - **219 ms,** 11.78 KiB

...esm/index.js?v=e6a54f21 (localhost) - **219 ms,** 12.90 KiB

...apps/astro.js?v=e6a54f21 (localhost) - **197 ms,** 106.78 KiB

...utils/window.js?v=e6a54f21 (localhost) - **218 ms,** 7.72 KiB

...utils/icons.js?v=e6a54f21 (localhost) - **218 ms,** 5.82 KiB

...ui-library/icons.js?v=e6a54f21 (localhost) - **210 ms,** 271.38 KiB

...dev-toolbar/toolbar.js?v=e6a54f21 (localhost) - **199 ms,** 84.61 KiB

...apps/settings.js?v=e6a54f21 (localhost) - **198 ms,** 34.49 KiB

...dev-toolbar/settings.js?v=e6a54f21 (localhost) - **158 ms,** 8.05 KiB

...ui-library/window.js?v=e6a54f21 (localhost) - **177 ms,** 19.13 KiB

...dev-toolbar/helpers.js?v=e6a54f21 (localhost) - **158 ms,** 14.23 KiB

/@id/__x00__astro:toolbar:internal (localhost) - **158 ms,** 9.03 KiB

...layouts/BaseLayout.astro?astro&type=script&index=0&lang.ts (localhost) - **71 ms,** 23.11 KiB

...scripts/mobileMenu.ts (localhost) - **173 ms,** 2.36 KiB

...scripts/copyCode.ts (localhost) - **172 ms,** 4.47 KiB

/@vite/client (localhost) - **61 ms,** 290.90 KiB

...client/env.mjs (localhost) - **158 ms,** 4.72 KiB

/fonts/jetbrains-mono-latin.woff2 (localhost) - **152 ms,** 30.92 KiB

...home/HeroSection.astro?astro&type=script&index=0&lang.ts (localhost) - **71 ms,** 19.20 KiB

...home/SelectedWork.astro?astro&type=script&index=0&lang.ts (localhost) - **71 ms,** 16.45 KiB

...home/SpeakingEvents.astro?astro&type=style&index=0&lang.css (localhost) - **71 ms,** 11.28 KiB

...home/Inspirations.astro?astro&type=style&index=0&lang.css (localhost) **- 71 ms,** 2.53 KiB

...home/DigitalGarden.astro?astro&type=style&index=0&lang.css (localhost) **- 64 ms,** 13.06 KiB

...home/SelectedWork.astro?astro&type=style&index=0&lang.css (localhost) **- 64 ms,** 6.66 KiB

...home/HeroSection.astro?astro&type=style&index=0&lang.css (localhost) **- 63 ms,** 7.48 KiB

...layouts/BaseLayout.astro?astro&type=style&index=0&lang.css (localhost) **- 63 ms,** 3.42 KiB

...styles/global.css (localhost) **- 63 ms,** 8.47 KiB

...styles/components.css (localhost) **- 62 ms,** 7.10 KiB

...styles/tokens.css (localhost) **- 62 ms,** 8.07 KiB

...styles/reset.css (localhost) **- 61 ms,** 2.92 KiB

Preconnected origins

preconnect hints help the browser establish a connection earlier in the page load, saving time when the first request for that origin is made. The following are the origins that the page preconnected to.

no origins were preconnected

Preconnect candidates

Add preconnect hints to your most important origins, but try to use no more than 4.

No additional origins are good candidates for preconnecting
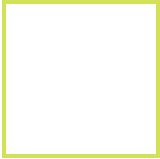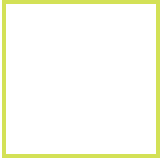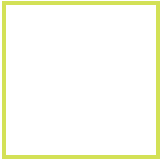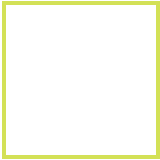
Document request latency   — Est savings of 117 KiB   ⌃

Your first network request is the most important. Reduce its latency by avoiding redirects, ensuring a fast server response, and enabling text compression. FCP LCP Unscored

Avoids redirects

Server responds quickly (observed 5 ms)

No compression applied

Improve image delivery   — Est savings of 155 KiB   ⌃

Reducing the download time of images can improve the perceived load time of the page and LCP. Learn more about optimizing image size FCP LCP Unscored

	URL	Resource Size	Est Savings
localhost 1st Party		**205.9 KiB**	**155.0 KiB**

img.hero-v2__image.hero-v2__image--active

	/profile-photo-4.webp (localhost)	68.9 KiB	52.3 KiB
	This image file is larger than it needs to be (640x640) for its displayed dimensions (320x320). Use responsive images to reduce the image download size.		51.7 KiB

img.hero-v2__image

	/profile-photo-2.webp (localhost)	61.1 KiB	45.8 KiB
	This image file is larger than it needs to be (640x640) for its displayed dimensions (320x320). Use responsive images to reduce the image download size.		45.8 KiB

img.hero-v2__image

	/profile-photo-3.webp (localhost)	59.1 KiB	44.3 KiB
	This image file is larger than it needs to be (640x640) for its displayed dimensions (320x320). Use responsive images to reduce the image download size.		44.3 KiB

img.hero-v2__image

	/profile-photo-1.webp (localhost)	16.8 KiB	12.6 KiB
	This image file is larger than it needs to be (640x640) for its displayed dimensions (320x320). Use responsive images to reduce the image download size.		12.6 KiB

Duplicated JavaScript   — Est savings of 1 KiB   ⌃

Remove large, [duplicate JavaScript modules](#) from bundles to reduce unnecessary bytes consumed by network activity. [FCP]
[LCP] [Unscored]

Source	Duplicated bytes
index.js?v=e6a54f21	0 KiB
...audit/index.js?v=e6a54f21 (localhost)	--
...ui-library/index.js?v=e6a54f21 (localhost)	0 KiB

◯ Optimize DOM size   ⌃

A large DOM can increase the duration of style calculations and layout reflows, impacting page responsiveness. A large DOM
will also increase memory usage. [Learn how to avoid an excessive DOM size](#). [Unscored]

Statistic	Element	Value
Total elements		874
	path	
DOM depth	◻	12
Most children	filter#g	25

◯ LCP breakdown   ⌃

Each [subpart has specific improvement strategies](#). Ideally, most of the LCP time should be spent on loading the resources,
not within delays. [LCP] [Unscored]

Subpart	Duration
Time to first byte	10 ms
Resource load delay	10 ms
Resource load duration	30 ms
Element render delay	2,050 ms
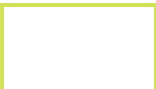
img.hero-v2__image

○ 3rd parties ⌃

3rd party code can significantly impact load performance. [Reduce and defer loading of 3rd party code](#) to prioritize your page's content. Unscored

3rd party	Transfer size	Main thread time
ddkjiahejlhfcafbddmgiahcphecmpfh	**4 KiB**	**31 ms**
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/rulesets/scripting/scriptlet/main/ublock-filters.js	0 KiB	17 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/rulesets/scripting/scriptlet/isolated/ublock-filters.js	0 KiB	9 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/rulesets/scripting/scriptlet/main/easyprivacy.js	0 KiB	2 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/js/scripting/css-procedural.js	0 KiB	1 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/js/scripting/isolated-api.js	0 KiB	1 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/js/scripting/css-api.js	0 KiB	0 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/rulesets/scripting/specific/ublock-filters.js	0 KiB	0 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/js/scripting/css-specific.js	0 KiB	0 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/rulesets/scripting/procedural/ublock-filters.js	0 KiB	0 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/rulesets/scripting/specific/easylist.js	0 KiB	0 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/rulesets/scripting/procedural/easylist.js	0 KiB	0 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/rulesets/scripting/procedural/easyprivacy.js	0 KiB	0 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/rulesets/scripting/procedural/ublock-	0 KiB	0 ms

3rd party	**Transfer size**	**Main thread time**
badware.js		
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/rulesets/scripting/specific/ublock-badware.js	0 KiB	0 ms
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/web_accessible_resources/google-analytics_analytics.js	4 KiB	0 ms
Google Tag Manager Tag-Manager	**0 KiB**	**0 ms**
/gtag/js?id=G-WZLF9K3MJB (www.googletagmanager.com)	0 KiB	0 ms

These insights are also available in the Chrome DevTools Performance Panel - record a trace to view more detailed information.

DIAGNOSTICS

▲ Minify JavaScript — Est savings of 1,359 KiB ⌃

Minifying JavaScript files can reduce payload sizes and script parse time. Learn how to minify JavaScript. FCP LCP Unscored

☑ Show 3rd-party resources (2)

URL	Transfer Size	Est Savings
localhost 1st Party	**1,783.6 KiB**	**1,350.9 KiB**
/@vite/client (localhost)	290.6 KiB	249.0 KiB
...ui-library/icons.js?v=e6a54f21 (localhost)	271.1 KiB	223.9 KiB
...rules/a11y.js?v=e6a54f21 (localhost)	119.3 KiB	101.4 KiB
...apps/astro.js?v=e6a54f21 (localhost)	106.5 KiB	88.7 KiB
...dev-toolbar/toolbar.js?v=e6a54f21 (localhost)	84.3 KiB	71.4 KiB
...deps/astro___aria-query.js?v=e6a54f21 (localhost)	200.5 KiB	62.7 KiB
...dev-toolbar/entrypoint.js?v=e6a54f21 (localhost)	51.2 KiB	43.3 KiB
...ui/audit-list-window.js?v=e6a54f21 (localhost)	50.8 KiB	42.7 KiB

URL	Transfer Size	Est Savings
...deps/astro___axobject-query.js?v=e6a54f21 (localhost)	109.9 KiB	35.6 KiB
...audit/index.js?v=e6a54f21 (localhost)	36.8 KiB	31.9 KiB
...apps/settings.js?v=e6a54f21 (localhost)	34.2 KiB	29.1 KiB
...apps/xray.js?v=e6a54f21 (localhost)	30.3 KiB	25.8 KiB
...ui/audit-ui.js?v=e6a54f21 (localhost)	27.4 KiB	22.6 KiB
...layouts/BaseLayout.astro?astro&type=script&index=0&lang.ts (localhost)	22.8 KiB	22.6 KiB
...ui-library/button.js?v=e6a54f21 (localhost)	24.6 KiB	20.7 KiB
...rules/perf.js?v=e6a54f21 (localhost)	23.0 KiB	19.4 KiB
...ui-library/tooltip.js?v=e6a54f21 (localhost)	22.5 KiB	18.9 KiB
...home/HeroSection.astro?astro&type=script&index=0&lang.ts (localhost)	18.9 KiB	18.6 KiB
...ui-library/highlight.js?v=e6a54f21 (localhost)	21.2 KiB	17.8 KiB
...ui-library/card.js?v=e6a54f21 (localhost)	19.4 KiB	16.4 KiB
...ui-library/window.js?v=e6a54f21 (localhost)	18.8 KiB	15.9 KiB
...ui-library/toggle.js?v=e6a54f21 (localhost)	18.6 KiB	15.6 KiB
...home/SelectedWork.astro?astro&type=script&index=0&lang.ts (localhost)	16.2 KiB	15.6 KiB
...ui-library/select.js?v=e6a54f21 (localhost)	17.7 KiB	14.9 KiB
...ui-library/badge.js?v=e6a54f21 (localhost)	16.1 KiB	13.6 KiB
...ui/audit-list-item.js?v=e6a54f21 (localhost)	16.3 KiB	13.6 KiB
...ui-library/radio-checkbox.js?v=e6a54f21 (localhost)	15.9 KiB	13.4 KiB
...dev-toolbar/helpers.js?v=e6a54f21 (localhost)	13.9 KiB	12.9 KiB

URL	Transfer Size	Est Savings
...esm/index.js?v=e6a54f21 (localhost)	12.6 KiB	12.2 KiB
...utils/highlight.js?v=e6a54f21 (localhost)	11.5 KiB	9.7 KiB
/@id/__x00__astro:toolbar:internal (localhost)	8.7 KiB	7.7 KiB
...dev-toolbar/settings.js?v=e6a54f21 (localhost)	7.8 KiB	6.6 KiB
...utils/window.js?v=e6a54f21 (localhost)	7.4 KiB	6.2 KiB
...rules/index.js?v=e6a54f21 (localhost)	6.9 KiB	5.8 KiB
...ui-library/index.js?v=e6a54f21 (localhost)	6.4 KiB	5.1 KiB
...ui-library/icon.js?v=e6a54f21 (localhost)	5.5 KiB	4.7 KiB
...utils/icons.js?v=e6a54f21 (localhost)	5.5 KiB	4.6 KiB
...client/env.mjs (localhost)	4.4 KiB	3.8 KiB
...scripts/copyCode.ts (localhost)	4.2 KiB	3.3 KiB
...audit/annotations.js?v=e6a54f21 (localhost)	3.8 KiB	3.1 KiB
uBlock Origin Lite [Chrome Extension]	**16.7 KiB**	**6.1 KiB**
`chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/rulesets/scripting/scriptlet/main/easyprivacy.js`	16.7 KiB	6.1 KiB
Google Tag Manager [Tag-Manager]	**3.6 KiB**	**2.1 KiB**
/gtag/js?id=G-WZLF9K3MJB (www.googletagmanager.com)	3.6 KiB	2.1 KiB

⚠ Reduce unused JavaScript — Est savings of 67 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] [Unscored]

☑ Show 3rd-party resources (1)

URL	Transfer Size	Est Savings
uBlock Origin Lite [Chrome Extension]	**184.8 KiB**	**46.2 KiB**
chrome-extension://ddkjiahejlhfcafbddmgiahcphecmpfh/rulesets/scripting/scriptlet/main/ublock-filters.js	184.8 KiB	46.2 KiB
localhost [1st Party]	**290.6 KiB**	**20.3 KiB**
/@vite/client (localhost)	290.6 KiB	20.3 KiB
…	51.4 KiB	20.3 KiB

▲ Page prevented back/forward cache restoration — 1 failure reason ⌃

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 [Unscored]

Failure reason	Failure type
Pages with WebSocket cannot enter back/forward cache. http://localhost:4321	Pending browser support

Minify CSS — Est savings of 7 KiB ⌃

Minifying CSS files can reduce network payload sizes. Learn how to minify CSS. [FCP] [LCP] [Unscored]

URL	Transfer Size	Est Savings
/* === Self-hosted Font Fa…	6.9 KiB	2.7 KiB
/* === Global Styles Typ…	7.1 KiB	2.4 KiB
/* === Buttons =========…	5.9 KiB	2.3 KiB

Avoid enormous network payloads   — Total size was 3,083 KiB   ∧

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

URL	Transfer Size
localhost 1st Party	**1,510.8 KiB**
/@vite/client (localhost)	290.9 KiB
...ui-library/icons.js?v=e6a54f21 (localhost)	271.4 KiB
...deps/astro___aria-query.js?v=e6a54f21 (localhost)	200.8 KiB
http://localhost:4321	174.8 KiB
...rules/a11y.js?v=e6a54f21 (localhost)	119.6 KiB
...deps/astro___axobject-query.js?v=e6a54f21 (localhost)	110.2 KiB
...apps/astro.js?v=e6a54f21 (localhost)	106.8 KiB
...dev-toolbar/toolbar.js?v=e6a54f21 (localhost)	84.6 KiB
/AI%20events/cafe_cursor_landing.webp (localhost)	75.9 KiB
/AI%20events/cafe_cursor_landing.webp (localhost)	75.9 KiB

◯ Avoid long main-thread tasks   — 3 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 Unscored

URL	Start Time	Duration
localhost 1st Party		**374 ms**
http://localhost:4321	1,549 ms	149 ms
http://localhost:4321	1,701 ms	149 ms

URL	Start Time	Duration
...dev-toolbar/toolbar.js?v=e6a54f21 (localhost)	8,712 ms	76 ms

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

PASSED AUDITS (15)   Hide

Use efficient cache lifetimes ⌃

A long cache lifetime can speed up repeat visits to your page. [Learn more about caching](#). FCP LCP Unscored

Layout shift culprits ⌃

Layout shifts occur when elements move absent any user interaction. [Investigate the causes of layout shifts](#), such as elements being added, removed, or their fonts changing as the page loads. CLS Unscored

Font display ⌃

Consider setting [font-display](#) to `swap` or `optional` to ensure text is consistently visible. `swap` can be further optimized to mitigate layout shifts with [font metric overrides](#). Unscored

Forced reflow ⌃

A forced reflow occurs when JavaScript queries geometric properties (such as `offsetWidth`) after styles have been invalidated by a change to the DOM state. This can result in poor performance. Learn more about [forced reflows](#) and possible mitigations. Unscored

○ INP breakdown ⌃

Start investigating [how to improve INP](#) by looking at the longest subpart. Unscored

Legacy JavaScript ⌃

Polyfills and transforms enable older browsers to use new JavaScript features. However, many aren't necessary for modern browsers. Consider modifying your JavaScript build process to not transpile [Baseline](#) features, unless you know you must support older browsers. [Learn why most sites can deploy ES6+ code without transpiling](#) FCP LCP Unscored

Modern HTTP ⌃

HTTP/2 and HTTP/3 offer many benefits over HTTP/1.1, such as multiplexing. Learn more about using modern HTTP. [FCP] [LCP] [Unscored]

Render blocking requests   ^

Requests are blocking the page's initial render, which may delay LCP. Deferring or inlining can move these network requests out of the critical path. [FCP] [LCP] [Unscored]

Optimize viewport for mobile   ^

Tap interactions may be delayed by up to 300 ms if the viewport is not optimized for mobile. [Unscored]

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meta

Reduce unused CSS   ^

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] [Unscored]

◯   User Timing marks and measures   ^

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. [Unscored]

JavaScript execution time   — 0.2 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] [Unscored]

URL	Total CPU Time	Script Evaluation	Script Parse
localhost [1st Party]	804 ms	70 ms	118 ms
http://localhost:4321	727 ms	29 ms	117 ms
...dev-toolbar/toolbar.js?v=e6a54f21 (localhost)	77 ms	41 ms	0 ms
Unattributable	433 ms	53 ms	0 ms

URL	Total CPU Time	Script Evaluation	Script Parse
Unattributable	433 ms	53 ms	0 ms

Minimizes main-thread work — 1.4 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) (Unscored)

Category	Time Spent
Other	620 ms
Style & Layout	379 ms
Script Evaluation	205 ms
Script Parsing & Compilation	126 ms
Parse HTML & CSS	51 ms
Rendering	30 ms
Garbage Collection	2 ms

◯ Avoid non-composited animations   ⌃

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

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) (Unscored)

Captured at Feb 15, 2026, 4:50 PM GMT+5:30
Initial page load

Emulated Moto G Power with Lighthouse 13.0.1
Slow 4G throttling

Single page session

Using Chromium 145.0.0.0 with devtools

Generated by **Lighthouse** 13.0.1 | File an issue