



Performance Report for: <https://f-star.com/>

Report generated: Wed, Mar 13, 2024 9:47 PM -0700
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	67%	77%	1.4s	376ms	0.13

Top Issues

High	Avoid enormous network payloads <small>LCP</small>	Total size was 10.2MB
Med	Use explicit width and height on image elements <small>CLS</small>	4 images found
Med-Low	Lazy load third-party resources with facades <small>TBT</small>	1 facade alternative available
Med-Low	Avoid CSS @import <small>FCP LCP</small>	1 resource found
Low	Use passive listeners to improve scrolling performance	1 event listener not passive

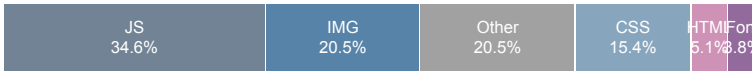
Page Details



Total Page Size - 10.2MB



Total Page Requests - 78



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.

Home - F-star Therapeutics Inc.

Resource	Size	Source	Time	Waterfall Bar	Notes
/	200	f-star.com	13.6KB	40ms	
style.min.css?ver=6.4.3	200	f-star.com	13.2KB	24ms	
styles.css?ver=5.8.7	200	f-star.com	1.10KB	19ms	
cookie-law-info-public.cs...	200	f-star.com	1.04KB	20ms	
cookie-law-info-gdpr.css?...	200	f-star.com	4.23KB	22ms	
style082323.css?ver=164...	200	f-star.com	22.6KB	24ms	
jquery.min.js?ver=3.7.1	200	f-star.com	29.2KB	38ms	
jquery-migrate.min.js?ver...	200	f-star.com	4.81KB	38ms	
cookie-law-info-public.js?...	200	f-star.com	7.21KB	39ms	
slick.css	200	f-star.com	704B	29ms	
slick-theme.css	200	f-star.com	1.03KB	30ms	
fstar-invox-logo.svg	200	f-star.com	63.1KB	278ms	
Home-Hero-1.jpg	200	f-star.com	126KB	278ms	
Home-Hero-2.jpg	200	f-star.com	124KB	279ms	
Home-Hero-3.jpg	200	f-star.com	140KB	281ms	
fstar-transition-curve.svg	200	f-star.com	549B	250ms	
LinkedIn.png	200	f-star.com	3.87KB	270ms	
Twitter.png	200	f-star.com	4.75KB	270ms	
jquery-1.11.0.min.js	200	code.jquery.com	32.6KB	143ms	
jquery-migrate-1.2.1.min.js	200	code.jquery.com	2.99KB	141ms	
slick.min.js	200	f-star.com	10.0KB	187ms	
cookie-law-info-table.css...	200	f-star.com	1.80KB	188ms	
index.js?ver=5.8.7	200	f-star.com	3.25KB	189ms	
index.js?ver=5.8.7	200	f-star.com	4.08KB	196ms	
page-scroll-to-id.min.js?v...	200	f-star.com	6.20KB	197ms	
api.js?render=6LfQOrUeA...	200	google.com	1.16KB	268ms	
wp-polyfill-inert.min.js?ve...	200	f-star.com	2.49KB	198ms	
regenerator-runtime.min.j...	200	f-star.com	2.58KB	199ms	
wp-polyfill.min.js?ver=3.1...	200	f-star.com	33.7KB	240ms	
index.js?ver=5.8.7	200	f-star.com	665B	238ms	
scripts.js?ver=1646432025	200	f-star.com	37.3KB	245ms	
css2?family=Montserrat:i...	200	fonts.googleapis.com	1.44KB	59ms	
JTUSjlg1_j6t8kCHKm459...	200	fonts.gstatic.com	32.3KB	202ms	
652606998?dnt=1&app_id...	200	player.vimeo.com	9.56KB	318ms	
Rafaela-Giambalvo-Crop...	200	f-star.com	315KB	25ms	
Martyn-Rhoades3.jpg	200	f-star.com	159KB	21ms	
Christel-Veyssier.jpg	200	f-star.com	126KB	18ms	
Matt-Lakins-Cropped.jpg	200	f-star.com	131KB	24ms	
recaptcha_en.js	200	gstatic.com	199KB	107ms	
player.module.js	200	f.vimeocdn.com	138KB	117ms	
vendor.module.js	200	f.vimeocdn.com	100KB	112ms	
player.css	200	f.vimeocdn.com	21.6KB	36ms	
site.webmanifest	200	f-star.com	476B	48ms	
wp-emoji-release.min.js?...	200	f-star.com	4.75KB	14ms	
ajax-loader.gif	200	f-star.com	4.08KB	14ms	
cast_sender.js?loadCastF...	(incomplete)	gstatic.com	1.96KB		>26.8s
1316875498-6b5822f5a4b...	(incomplete)	i.vimeocdn.com	24.7KB		>26.8s
652606998?dnt=1&app_id...	200	player.vimeo.com	9.32KB	281ms	
master.json?base64_init=1	(incomplete)	126vod-adaptive.aka...	0		>26.7s
anchor?ar=1&k=6LfQOrU...	200	google.com	28.1KB	78ms	
1316875498-6b5822f5a4b...	(incomplete)	i.vimeocdn.com	1.00KB		>26.6s
styles_ltr.css	200	gstatic.com	24.0KB	19ms	
recaptcha_en.js	200	gstatic.com	199KB	26ms	

pVIYgICqg3wZ2JaY4kcbq...	200	google.com	7.14KB	18ms
logo_48.png	200	gstatic.com	2.20KB	18ms
KFOmCnqEu92Fr1Mu4mx...	200	fonts.gstatic.com	15.0KB	163ms
KFOICnqEu92Fr1MmEU9f...	200	fonts.gstatic.com	15.2KB	163ms
player.module.js	200	f.vimeocdn.com	0	0ms
vendor.module.js	200	f.vimeocdn.com	0	0ms
player.css	200	f.vimeocdn.com	0	0ms
webworker.js?hl=en&v=0...	200	google.com	135B	24ms
cast_sender.js?loadCastF...	200	gstatic.com	0	4ms
1316875498-6b5822f5a4b...	200	i.vimeocdn.com	24.7KB	10ms
favicon.ico	200	f-star.com	14.7KB	24ms
master.json?base64_init=1	200	126vod-adaptive.aka...	2.21KB	9ms
cast_framework.js	200	gstatic.com	11.9KB	23ms
cast_sender.js	200	gstatic.com	15.0KB	13ms
1316875498-6b5822f5a4b...	200	i.vimeocdn.com	0	2ms
segment-1.m4s?r=dXM%3D	200	126vod-adaptive.aka...	251KB	39ms
segment-1.m4s?r=dXM%3D	200	126vod-adaptive.aka...	1.11MB	34ms
POST reload?k=6LfQOrU...	200	google.com	9.52KB	56ms
segment-2.m4s?r=dXM%3D	200	126vod-adaptive.aka...	1.08MB	30ms
segment-3.m4s?r=dXM%3D	200	126vod-adaptive.aka...	1.03MB	30ms
segment-4.m4s?r=dXM%3D	200	126vod-adaptive.aka...	1.13MB	1s
segment-5.m4s?r=dXM%3D	200	126vod-adaptive.aka...	1.07MB	31ms
segment-6.m4s?r=dXM%3D	200	126vod-adaptive.aka...	925KB	32ms
segment-7.m4s?r=dXM%3D	200	126vod-adaptive.aka...	771KB	889ms
segment-8.m4s?r=dXM%3D	200	126vod-adaptive.aka...	570KB	957ms
78 Requests		10.2MB (25.2MB Uncompressed)		27.9s (Onload 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>470ms</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>OK, but consider improvement</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>Much longer than recommended</p> <p>3.2s</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>Much longer than recommended</p> <p>376ms</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>1.4s</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>OK, but consider improvement</p> <p>0.13</p>

Browser Timings

Redirect	0ms	Connect	33ms	Backend	6ms
TTFB	39ms	First Paint	470ms	DOM Int.	1.1s
DOM Loaded	1.3s	Onload	2.0s	Fully Loaded	27.9s

IMPACT AUDIT

Low

Allow 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.

FAILURE REASON

FAILURE TYPE

Pages that use WebXR are not currently eligible for back/forward cache.

Actionable

https://player.vimeo.com/video/652606998?dnt=1&app_id=122963&controls=0&hd=1&autoplay=1&background=1

Low

Avoid large layout shifts CLS

5 elements found

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

ELEMENT

CLS CONTRIBUTION

WHO WE ARE F-star is an innovation focused biotech company dedicated to delive...

0.09

`<main class="homepage-content">`

BISPECIFICS FOR LIFE PIONEERING NEW CANCER THERAPIES We are developing next ge...

0.03

`<section class="home-hero" data-equalizer="" data-resize="cp7sw4-eq" data-mutate="ilw8d8-eq" data-t="eipv7y-t" data-events="mutate">`

header.header > div.grid-container > div#top-bar-menu > div.top-bar-left

0.00

`<div class="top-bar-left float-left">`

Older man and woman smiling at each other and holding each other

0.00

``

CAREERS NEWS ABOUT TECHNOLOGY PIPELINE CONTACT

0.00

`<div class="top-bar-right show-for-medium">`

Low

Avoid long main-thread tasks TBT

10 long tasks found

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

URL	START TIME	DURATION
https://f-star.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	1.1s	234ms
https://f-star.com/	247ms	124ms
https://f-star.com/wp-content/plugins/contact-form-7/modules/recaptcha/index.js?ver=5.8.7	775ms	111ms
https://f-star.com/	887ms	100ms
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VgKa8GbTSw/recaptcha_en.js	2.5s	71ms
https://f-star.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2	655ms	69ms
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VgKa8GbTSw/recaptcha_en.js	2.3s	69ms
https://code.jquery.com/jquery-migrate-1.2.1.min.js	419ms	66ms
https://player.vimeo.com/video/652606998?dnt=1&app_id=122963&controls=0&hd=1&autoplay=1&background=1	1.3s	63ms
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VgKa8GbTSw/recaptcha_en.js	1.8s	55ms

Low Reduce JavaScript execution time TBT 1.2s 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://f-star.com/	936ms	23ms	5ms
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VgKa8GbTSw/recaptcha_en.js	873ms	697ms	16ms
https://code.jquery.com/jquery-1.11.0.min.js	487ms	230ms	1ms
Unattributable	360ms	12ms	0ms
https://f-star.com/wp-content/themes/f-star/assets/scripts/scripts.js?ver=1646432025	124ms	80ms	5ms
https://f-star.com/wp-includes/js/dist/vendor/wp-polyfill.min.js?ver=3.15.0	67ms	65ms	2ms
https://player.vimeo.com/video/652606998?dnt=1&app_id=122963&controls=0&hd=1&autoplay=1&background=1	61ms	0ms	0ms
https://f-star.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	56ms	40ms	1ms

Low Serve static assets with an efficient cache policy Potential savings of 34.2KB

A long cache lifetime can speed up repeat visits to your page.

URL	CACHE TTL	TRANSFER SIZE
https://www.gstatic.com/eureka/clank/117/cast_sender.js	24 hours	15.0KB
https://www.gstatic.com/recaptcha/api2/logo_48.png	7 days	2.20KB
https://f.vimeocdn.com/p/4.28.18/js/player.module.js	14 days	139KB
https://f.vimeocdn.com/p/4.28.18/js/vendor.module.js	14 days	100KB
https://f.vimeocdn.com/p/4.28.18/css/player.css	14 days	21.9KB
https://f.vimeocdn.com/p/4.28.18/css/player.css	14 days	0B
https://f.vimeocdn.com/p/4.28.18/js/player.module.js	14 days	0B
https://f.vimeocdn.com/p/4.28.18/js/vendor.module.js	14 days	0B
https://i.vimeocdn.com/video/1316875498-6b5822f5a4b3d87e5684f337c89f5d0c74c69afd4ed5836271749ef47957b372-d?mw=600&mh=453	30 days	24.9KB
https://i.vimeocdn.com/video/1316875498-6b5822f5a4b3d87e5684f337c89f5d0c74c69afd4ed5836271749ef47957b372-d?mw=600&mh=450	30 days	334B
https://i.vimeocdn.com/video/1316875498-6b5822f5a4b3d87e5684f337c89f5d0c74c69afd4ed5836271749ef47957b372-d?mw=800&q=85	30 days	0B

Low Eliminate render-blocking resources FCP LCP Potential savings of 24ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles.

Resources that **may** be contributing to render-blocking include:

URL	TRANSFER SIZE	DOWNLOAD TIME
https://f-star.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	13.2KB	152ms
https://f-star.com/wp-content/themes/f-star/assets/styles/style082323.css?ver=1646432025	22.6KB	152ms
https://f-star.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	29.2KB	457ms

Low

Avoid an excessive DOM size TBT

465 elements

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

STATISTIC	ELEMENT	VALUE
Total DOM Elements		465
Maximum DOM Depth	Cookie <th class="cookie-lawinfo-column-1">	16
Maximum Child Elements	section.careers-slider > div.fade-hidden > div.slick-list > div.slick-track <div class="slick-track" style="opacity: 1; width: 6776px; transition: transform 900ms ease 0s;">	22

Low

Properly size images

Potential savings of 83.1KB

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

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://f-star.com/wp-content/uploads/2022/02/Home-Hero-3.jpg	140KB	28.3KB
https://f-star.com/wp-content/uploads/2022/02/Home-Hero-1.jpg	126KB	25.5KB
https://f-star.com/wp-content/uploads/2022/02/Home-Hero-2.jpg	124KB	25.0KB
https://f-star.com/wp-content/uploads/2022/02/Twitter.png	4.75KB	4.26KB

Low

Efficiently encode images

Potential savings of 623KB

Optimized images load faster and consume less cellular data.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://f-star.com/wp-content/uploads/2022/02/Rafaella-Giambalvo-Cropped.jpg	315KB	205KB
https://f-star.com/wp-content/uploads/2022/02/Home-Hero-3.jpg	140KB	91.0KB
https://f-star.com/wp-content/uploads/2022/02/Martyn-Rhoades3.jpg	159KB	90.5KB
https://f-star.com/wp-content/uploads/2022/02/Home-Hero-1.jpg	126KB	80.6KB
https://f-star.com/wp-content/uploads/2022/02/Matt-Lakins-Cropped.jpg	131KB	78.6KB
https://f-star.com/wp-content/uploads/2022/02/Home-Hero-2.jpg	124KB	76.6KB

Low

Reduce unused CSS FCP LCP

Potential savings of 33.2KB

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://f-star.com/wp-content/themes/f-star/assets/styles/style082323.css?ver=1646432025	22.6KB	20.0KB
• https://f-star.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	13.2KB	13.2KB

Low **Serve images in next-gen formats** Potential savings of 869KB

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://f-star.com/wp-content/uploads/2022/02/Rafaella-Giambalvo-Cropped.jpg	315KB	264KB
https://f-star.com/wp-content/uploads/2022/02/Martyn-Rhoades3.jpg	159KB	127KB
https://f-star.com/wp-content/uploads/2022/02/Home-Hero-3.jpg	140KB	118KB
https://f-star.com/wp-content/uploads/2022/02/Matt-Lakins-Cropped.jpg	131KB	106KB
https://f-star.com/wp-content/uploads/2022/02/Home-Hero-1.jpg	126KB	105KB
https://f-star.com/wp-content/uploads/2022/02/Home-Hero-2.jpg	124KB	102KB
https://f-star.com/wp-content/uploads/2022/02/Christel-Veyssier.jpg	126KB	46.4KB

Low **Defer offscreen images** Potential savings of 8.61KB

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://f-star.com/wp-content/uploads/2022/02/Twitter.png	4.75KB	4.75KB
https://f-star.com/wp-content/uploads/2022/02/LinkedIn.png	3.87KB	3.87KB

Low **Avoid non-composited animations** CLS 65 animated elements found

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

ELEMENT

NAME

li.is-dropdown-submenu-parent > ul.menu > li.is-submenu-item > a.main-nav-submenu

```
<a class="main-nav-submenu" href="https://f-star.com/technology/#our-platform" target="_self">
```

Unsupported CSS Property: font-size

font-size

Unsupported CSS Property: padding-bottom

padding-bottom

Unsupported CSS Property: line-height

line-height

Unsupported CSS Property: padding-left

padding-left

Unsupported CSS Property: padding-right

padding-right

Unsupported CSS Property: padding-top

padding-top

Unsupported CSS Property: visibility

visibility

li.is-dropdown-submenu-parent > ul.menu > li.is-submenu-item > a.main-nav-submenu

```
<a class="main-nav-submenu" href="https://f-star.com/pipeline/fs222/" target="_self">
```

Unsupported CSS Property: font-size

font-size

Unsupported CSS Property: padding-bottom

padding-bottom

Unsupported CSS Property: line-height

line-height

Unsupported CSS Property: padding-left

padding-left

Unsupported CSS Property: padding-right

padding-right

Unsupported CSS Property: padding-top

padding-top

Unsupported CSS Property: visibility

visibility

li.is-dropdown-submenu-parent > ul.menu > li.is-submenu-item > a.main-nav-submenu

```
<a class="main-nav-submenu" href="https://f-star.com/technology/#intellectual-property" target="_self">
```

Unsupported CSS Property: font-size

font-size

Unsupported CSS Property: padding-bottom

padding-bottom

Unsupported CSS Property: line-height

line-height

Unsupported CSS Property: padding-left

padding-left

Unsupported CSS Property: padding-right

padding-right

Unsupported CSS Property: padding-top

padding-top

Unsupported CSS Property: visibility

visibility

li.is-dropdown-submenu-parent > ul.menu > li.is-submenu-item > a.main-nav-submenu

```
<a class="main-nav-submenu" href="https://f-star.com/technology/#publications" target="_self">
```

Unsupported CSS Property: font-size

font-size

Unsupported CSS Property: padding-bottom

padding-bottom

Unsupported CSS Property: line-height

line-height

Unsupported CSS Property: padding-left

padding-left

Unsupported CSS Property: padding-right

padding-right

Unsupported CSS Property: padding-top

padding-top

Unsupported CSS Property: visibility

visibility

li.is-dropdown-submenu-parent > ul.menu > li.is-submenu-item > a.main-nav-submenu

```
<a class="main-nav-submenu" href="https://f-star.com/about/#meet-f-star-team-members" target="_self">
```

Unsupported CSS Property: font-size

font-size

Unsupported CSS Property: padding-bottom

padding-bottom

ELEMENT	NAME
Unsupported CSS Property: line-height	line-height
Unsupported CSS Property: padding-left	padding-left
Unsupported CSS Property: padding-right	padding-right
Unsupported CSS Property: padding-top	padding-top
Unsupported CSS Property: visibility	visibility
li.is-dropdown-submenu-parent > ul.menu > li.is-submenu-item > a.main-nav-submenu 	
Unsupported CSS Property: font-size	font-size
Unsupported CSS Property: padding-bottom	padding-bottom
Unsupported CSS Property: line-height	line-height
Unsupported CSS Property: padding-left	padding-left
Unsupported CSS Property: padding-right	padding-right
Unsupported CSS Property: padding-top	padding-top
Unsupported CSS Property: visibility	visibility
li.is-dropdown-submenu-parent > ul.menu > li.is-submenu-item > a.main-nav-submenu 	
Unsupported CSS Property: font-size	font-size
Unsupported CSS Property: padding-bottom	padding-bottom
Unsupported CSS Property: line-height	line-height
Unsupported CSS Property: padding-left	padding-left
Unsupported CSS Property: padding-right	padding-right
Unsupported CSS Property: padding-top	padding-top
Unsupported CSS Property: visibility	visibility
li.is-dropdown-submenu-parent > ul.menu > li.is-submenu-item > a.main-nav-submenu 	
Unsupported CSS Property: font-size	font-size
Unsupported CSS Property: padding-bottom	padding-bottom
Unsupported CSS Property: line-height	line-height
Unsupported CSS Property: padding-left	padding-left
Unsupported CSS Property: padding-right	padding-right
Unsupported CSS Property: padding-top	padding-top
Unsupported CSS Property: visibility	visibility
li.is-dropdown-submenu-parent > ul.menu > li.is-submenu-item > a.main-nav-submenu 	
Unsupported CSS Property: font-size	font-size
Unsupported CSS Property: padding-bottom	padding-bottom
Unsupported CSS Property: line-height	line-height
Unsupported CSS Property: padding-left	padding-left
Unsupported CSS Property: padding-right	padding-right

ELEMENT	NAME
Unsupported CSS Property: padding-top	padding-top
Unsupported CSS Property: visibility	visibility
li.is-dropdown-submenu-parent > ul.menu > li.is-submenu-item > a.main-nav-submenu	
<code></code>	
Unsupported CSS Property: font-size	font-size
Unsupported CSS Property: padding-bottom	padding-bottom
Unsupported CSS Property: line-height	line-height
Unsupported CSS Property: padding-left	padding-left
Unsupported CSS Property: padding-right	padding-right
Unsupported CSS Property: padding-top	padding-top
Unsupported CSS Property: visibility	visibility
div#off-canvas > ul.dropdown > li > a.main-nav-toplevel	
<code></code>	
Unsupported CSS Property: visibility	visibility
div.off-canvas-wrapper > div#off-canvas > ul.upper-nav-container > a.upper-nav-item	
<code></code>	
Unsupported CSS Property: visibility	visibility
div#off-canvas > ul.dropdown > li.is-dropdown-submenu-parent > a.main-nav-toplevel	
<code></code>	
Unsupported CSS Property: visibility	visibility
div#off-canvas > ul.dropdown > li.is-dropdown-submenu-parent > a.main-nav-toplevel	
<code></code>	
Unsupported CSS Property: visibility	visibility
div#off-canvas > ul.dropdown > li.is-dropdown-submenu-parent > a.main-nav-toplevel	
<code></code>	
Unsupported CSS Property: visibility	visibility
div.off-canvas-wrapper > div#off-canvas > ul.upper-nav-container > a.upper-nav-item	
<code></code>	
Unsupported CSS Property: visibility	visibility
div#off-canvas > ul.dropdown > li > a.main-nav-toplevel	
<code></code>	
Unsupported CSS Property: visibility	visibility
LEARN MORE	
<code></code>	
Unsupported CSS Property: visibility	visibility
LEARN MORE	
<code></code>	
Unsupported CSS Property: visibility	visibility
LEARN MORE	
<code></code>	
Unsupported CSS Property: visibility	visibility
div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container	
<code><div class="careers-slider-container slick-slide" data-slick-index="1" aria-hidden="true" style="width: 212px;" tabindex="-1"></code>	
Unsupported CSS Property: visibility	visibility
div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container	
<code><div class="careers-slider-container slick-slide" data-slick-index="2" aria-hidden="true" style="width: 212px;" tabindex="-1"></code>	
Unsupported CSS Property: visibility	visibility
div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container	

ELEMENT	NAME
<pre><div class="careers-slider-container slick-slide slick-cloned" data-slick-index="14" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide" data-slick-index="4" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-cloned" data-slick-index="-5" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-cloned" data-slick-index="-4" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-cloned slick-active" data-slick-index="9" aria-hidden="false" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-cloned" data-slick-index="15" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-active" data-slick-index="6" aria-hidden="false" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide" data-slick-index="0" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-cloned" data-slick-index="13" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-cloned" data-slick-index="10" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-active" data-slick-index="5" aria-hidden="false" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-cloned" data-slick-index="11" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-current slick-active slick-cent..." data-slick-index="7" aria-hidden="false" style="width: 212px;" tabindex="0"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-cloned" data-slick-index="-3" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	

ELEMENT	NAME
<pre><div class="careers-slider-container slick-slide slick-cloned" data-slick-index="12" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-cloned" data-slick-index="-2" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-cloned slick-center" data-slick-index="-1" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-cloned" data-slick-index="-6" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide" data-slick-index="3" aria-hidden="true" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.fade-hidden > div.slick-list > div.slick-track > div.careers-slider-container</pre>	
<pre><div class="careers-slider-container slick-slide slick-cloned slick-active" data-slick-index="8" aria-hidden="false" style="width: 212px;" tabindex="-1"></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.slick-track > div.careers-slider-container > div.careers-slider-image > div.careers-image</pre>	
<pre><div class="careers-image" style="background-image: url (&quot;https://f-star.com/wp-content/uploads/2022/02/Matt-La...&quot;); "></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.slick-track > div.careers-slider-container > div.careers-slider-image > div.careers-image</pre>	
<pre><div class="careers-image" style="background-image: url (&quot;https://f-star.com/wp-content/uploads/2022/02/Christe...&quot;); "></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.slick-track > div.careers-slider-container > div.careers-slider-image > div.careers-image</pre>	
<pre><div class="careers-image" style="background-image: url (&quot;https://f-star.com/wp-content/uploads/2022/02/Rafaell...&quot;); "></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.slick-track > div.careers-slider-container > div.careers-slider-image > div.careers-image</pre>	
<pre><div class="careers-image" style="background-image: url (&quot;https://f-star.com/wp-content/uploads/2022/02/Martyn-...&quot;); "></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.slick-track > div.careers-slider-container > div.careers-slider-image > div.careers-image</pre>	
<pre><div class="careers-image" style="background-image: url (&quot;https://f-star.com/wp-content/uploads/2022/02/Matt-La...&quot;); "></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.slick-track > div.careers-slider-container > div.careers-slider-image > div.careers-image</pre>	
<pre><div class="careers-image" style="background-image: url (&quot;https://f-star.com/wp-content/uploads/2022/02/Matt-La...&quot;); "></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.slick-track > div.careers-slider-container > div.careers-slider-image > div.careers-image</pre>	
<pre><div class="careers-image" style="background-image: url (&quot;https://f-star.com/wp-content/uploads/2022/02/Rafaell...&quot;); "></pre>	visibility
<pre>Unsupported CSS Property: visibility</pre>	visibility
<pre>div.slick-track > div.careers-slider-container > div.careers-slider-image > div.careers-image</pre>	

ELEMENT

NAME

```
<a id="wt-cli-accept-all-btn" role="button" data-cli_action="accept_all" class="wt-cli-element medium cli-plugin-button wt-cli-accept-all-btn cookie_actio..." style="color: rgb(255, 255, 255); background-color: rgb(42, 52, 143);">
```

Unsupported CSS Property: background-color

background-color

Low **Avoid chaining critical requests** FCP LCP 24 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: 1.1s

INITIAL NAVIGATION



Low **Reduce unused JavaScript** LCP Potential savings of 139KB

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.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/recaptcha_en.js	199KB	98KB
https://f-star.com/wp-content/themes/f-star/assets/scripts/scripts.js?ver=1646432025	37.3KB	21.0KB
foundation.dropdown.js	2.14KB	1.47KB
foundation.slider.js	1.96KB	1.43KB
foundation.tooltip.js	2.06KB	1.39KB
foundation.reveal.js	1.93KB	1.38KB
foundation.sticky.js	1.71KB	1.23KB
https://f-star.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	29.2KB	20.6KB

N/A **Largest Contentful Paint element** LCP 1,400 ms

This is the largest contentful element painted within the viewport.

ELEMENT

Older man and woman smiling at each other and holding each other

```

```

PHASE	% OF LCP	TIMING
TTFB	3%	39ms
Load Delay	14%	189ms
Load Time	7%	101ms
Render Delay	76%	1.1s

N/A **Reduce initial server response time** FCP LCP Root document took 5ms

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

URL	TIME SPENT
• https://f-star.com/	5ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 2.88KB

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://f-star.com/wp-content/themes/f-star/assets/scripts/scripts.js?ver=1646432025	2.83KB
Line:0 Column:10195 Date.now	
Line:0 Column:11476 @babel/plugin-transform-classes	
https://f-star.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2	52B
Line:0 Column:452 @babel/plugin-transform-classes	

N/A

Minimize main-thread work TBT

Main-thread busy for 3.0s

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	1.2s
-------------------	------

Style & Layout	885ms
----------------	-------

Other	797ms
-------	-------

Parse HTML & CSS	65ms
------------------	------

Rendering	56ms
-----------	------

Script Parsing & Compilation	36ms
------------------------------	------

Garbage Collection	18ms
--------------------	------

N/A

Reduce the impact of third-party code TBT

Third-party code blocked the main thread for 30ms

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 CDN	452KB	29ms
• https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VgKa8GbTSw/recaptcha_en.js	398KB	29ms
• https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VgKa8GbTSw/styles_ltr.css	24.4KB	0ms
• Other resources	29.7KB	0ms
JQUERY CDN	36.0KB	0ms
• https://code.jquery.com/jquery-1.11.0.min.js	32.9KB	0ms
AKAMAI	7.88MB	0ms
• https://126vod-adaptive.akamaized.net/exp=1710395225~acl=%2F289ab55f-aa12-49de-9785-8041e80fdc0d%2F%2A~hmac=5930017fc9bc715cd353d06b63525cba8acfd09a2f4dcbeb365c44d0c664437d/289ab55f-aa12-49de-9785-8041e80fdc0d/sep/video/d0555c6c/chop/segment-4.m4s?r=dXM%3D	1.13MB	0ms
• https://126vod-adaptive.akamaized.net/exp=1710395225~acl=%2F289ab55f-aa12-49de-9785-8041e80fdc0d%2F%2A~hmac=5930017fc9bc715cd353d06b63525cba8acfd09a2f4dcbeb365c44d0c664437d/289ab55f-aa12-49de-9785-8041e80fdc0d/sep/video/d0555c6c/chop/segment-1.m4s?r=dXM%3D	1.11MB	0ms
• https://126vod-adaptive.akamaized.net/exp=1710395225~acl=%2F289ab55f-aa12-49de-9785-8041e80fdc0d%2F%2A~hmac=5930017fc9bc715cd353d06b63525cba8acfd09a2f4dcbeb365c44d0c664437d/289ab55f-aa12-49de-9785-8041e80fdc0d/sep/video/d0555c6c/chop/segment-2.m4s?r=dXM%3D	1.08MB	0ms
• https://126vod-adaptive.akamaized.net/exp=1710395225~acl=%2F289ab55f-aa12-49de-9785-8041e80fdc0d%2F%2A~hmac=5930017fc9bc715cd353d06b63525cba8acfd09a2f4dcbeb365c44d0c664437d/289ab55f-aa12-49de-9785-8041e80fdc0d/sep/video/d0555c6c/chop/segment-5.m4s?r=dXM%3D	1.07MB	0ms
• https://126vod-adaptive.akamaized.net/exp=1710395225~acl=%2F289ab55f-aa12-49de-9785-8041e80fdc0d%2F%2A~hmac=5930017fc9bc715cd353d06b63525cba8acfd09a2f4dcbeb365c44d0c664437d/289ab55f-aa12-49de-9785-8041e80fdc0d/sep/video/d0555c6c/chop/segment-3.m4s?r=dXM%3D	1.03MB	0ms
• Other resources	2.47MB	0ms
VIMEO	305KB	0ms
• https://f.vimeocdn.com/p/4.28.18/js/player.module.js	139KB	0ms
• https://f.vimeocdn.com/p/4.28.18/js/vendor.module.js	100KB	0ms
• https://i.vimeocdn.com/video/1316875498-6b5822f5a4b3d87e5684f337c89f5d0c74c69afd4ed5836271749ef47957b372-d?mw=600&mh=453	24.9KB	0ms
• https://f.vimeocdn.com/p/4.28.18/css/player.css	21.9KB	0ms
• https://player.vimeo.com/video/652606998?dnt=1&app_id=122963&controls=0&hd=1&autoplay=1&background=1	18.9KB	0ms
GOOGLE FONTS	65.1KB	0ms
• https://fonts.gstatic.com/s/montserrat/v26/JTUSjlg1_i6t8kCHKm459Wlhyw.woff2	32.9KB	0ms
• https://fonts.gstatic.com/s/roboto/v18/KFOmCnqEu92Fr1Mu4mxK.woff2	15.5KB	0ms
• https://fonts.gstatic.com/s/roboto/v18/KFOICnqEu92Fr1MmEU9fBBc4.woff2	15.3KB	0ms
OTHER GOOGLE APIS/SDKS	46.4KB	0ms
• https://www.google.com/recaptcha/api2/anchor?ar=1&k=6LfQOrUeAAAAIp0N7PYEhYWKiVthxDEei35tBtZ&co=aHR0cHM6Ly9mLXN0YXluY29tOjQ0Mw..&hl=en&v=07g0mpPGukTo20VgKa8GbTSw&size=invisible&cb=hxo8gzqf4u1	28.1KB	0ms
• https://www.google.com/recaptcha/api2/reload?k=6LfQOrUeAAAAIp0N7PYEhYWKiVthxDEei35tBtZ	9.52KB	0ms
• https://www.google.com/js/bg/pVIYglCqg3wZ2JaY4kcbqn6HC1zR-NrcTdTDqQCFvk4.js	7.54KB	0ms

N/A

User Timing marks and measures

No user timings and/or marks found.