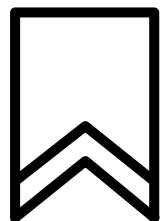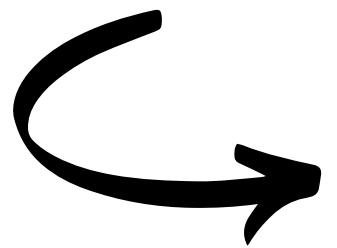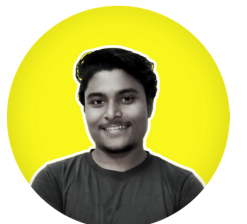DevJunction

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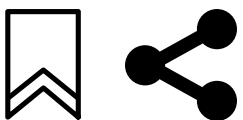
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Make your Website load lightning fast

Save For Later

Lazy Loading

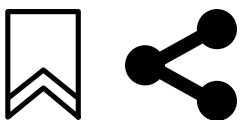Apply lazy loading on all the images, 'all' means all images on all the pages.

Never ever load all the images at once, especially if the website has a lot of image content to show.

<u>Compress the Static Resources</u>

Apply a pre-compression mechanism to reduce the size of scrips/styles a bit more, and reducing even 10kb could make the difference.
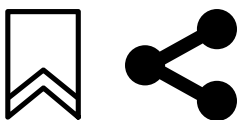
Compression should be applied automatically by the server or your deployment system.

Using CDN

Do not load the static content from the server itself, which is really bad for a website at scale, the solution is to use CDN for all the scripts and any static content.

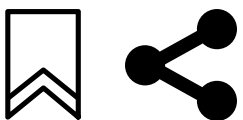You can use Cloudfront, Google Cloud CDN, or any other service that fits on your budget.

Load Balancing

Add load balancers to distribute the traffic.

This is a technique to distribute your traffic between multiple servers using any load balancing techniques such as "round-robin", "least connected" and "IP hash", etc.

You can add one or more load balancers to avoid any single point of failure.
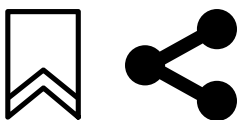
<u>Cachine</u>

Caching is the process of storing copies of files in temporary storage so that they can be accessed more quickly.

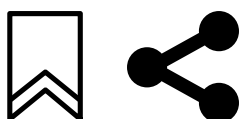Cache few things which are not user-specific, you can apply server-level cache using Varnish cache. You can also use CDN for caching.
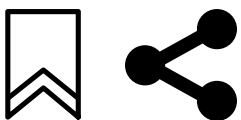
<u>Preloader</u>

This is more on the UX side, as the user opens the website and sees nothing for few seconds, the user immediately drops off, to make the user wait a bit more, you can apply a spinner or pre-loader before the whole DOM loads.
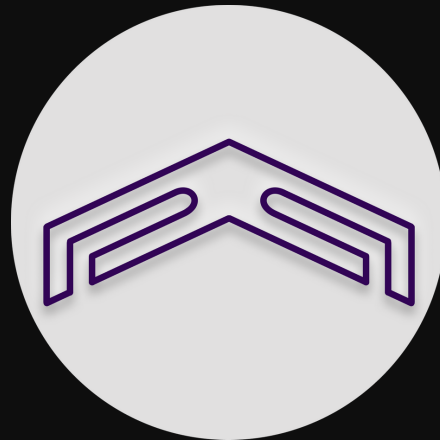
Trust me, this works magically, though it does not increase the website speed, it feels like something is gonna show up soon.
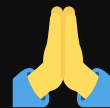
<u>Extra Tips</u>

- Along with CDN you can use async and defer to load/run all the scripts asynchronously.

- Reducing the size of images as much as possible without losing the quality.

- Remove any unnecessary scripts/styles if not being used currently in the website.

HOPE THIS POST HAS ADDED SOME VALUE TO YOUR LIFE

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follow

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