



Performance



Accessibility



Best Practices



SEO



Progressive Web App

0–49

50–89

90–100



## Performance

### Metrics



First Contentful Paint

1.2 s

First Meaningful Paint

1.3 s

Speed Index

2.1 s

First CPU Idle

1.5 s

Time to Interactive

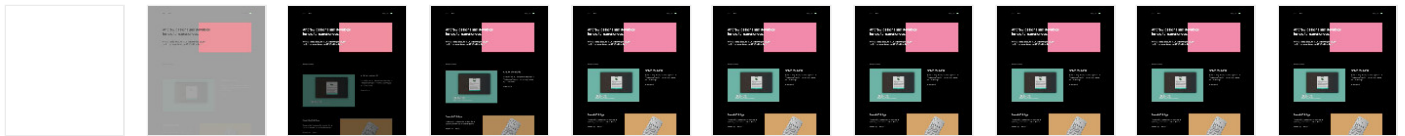
1.9 s

Max Potential First Input Delay

110 ms

View Trace

Values are estimated and may vary. The performance score is [based only on these metrics](#).



**Opportunities** — These suggestions can help your page load faster. They don't [directly affect](#) the Performance score.

### Opportunity

Estimated Savings

▲ Properly size images	3.6 s	▼
▲ Use video formats for animated content	1.65 s	▼
▲ Serve images in next-gen formats	1.5 s	▼
▲ Efficiently encode images	1.2 s	▼
Eliminate render-blocking resources	0.31 s	▼

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

▲ Serve static assets with an efficient cache policy — 10 resources found	▼
Minimize main-thread work — 2.6 s	▼
Minimize Critical Requests Depth — 5 chains found	▼
Keep request counts low and transfer sizes small — 12 requests • 945 KB	▼
Third-Party Usage — 1 Third-Party Found	▼
Passed audits (14)	▼



## Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

**Navigation** — These are opportunities to improve keyboard navigation in your application.

▲ The page does not contain a heading, skip link, or landmark region	▼
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**Best practices** — These items highlight common accessibility best practices.

▲ [id] attributes on the page are not unique	▼
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**Internationalization and localization** — These are opportunities to improve the interpretation of your content by users in different locales.

▲ <html> element does not have a [lang] attribute	▼
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**Names and labels** — These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

▲ Image elements do not have [alt] attributes	▼
▲ Form elements do not have associated labels	▼
▲ Links do not have a discernible name	▼

**Additional items to manually check (11)** — These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

Passed audits (5)	▼
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Not applicable (24)



## Best Practices

- ▲ Includes front-end JavaScript libraries with known security vulnerabilities — 1 vulnerability detected
- ▲ Browser errors were logged to the console

Passed audits (13)



## SEO

These checks ensure that your page is optimized for search engine results ranking. There are additional factors Lighthouse does not check that may affect your search ranking. [Learn more](#).

**Content Best Practices** — Format your HTML in a way that enables crawlers to better understand your app's content.

- ▲ Document does not have a meta description
- ▲ Image elements do not have [alt] attributes

**Additional items to manually check (1)** — Run these additional validators on your site to check additional SEO best practices.

Passed audits (7)

Not applicable (4)



Progressive Web App

# Progressive web App

These checks validate the aspects of a Progressive Web App. [Learn more.](#)

## Fast and reliable

Page load is fast enough on mobile networks	✓
▲ Current page does not respond with a 200 when offline	✓
▲ start_url does not respond with a 200 when offline <b>No usable web app manifest found on page.</b>	✓

## Installable

Uses HTTPS	✓
▲ Does not register a service worker that controls page and start_url	✓
▲ Web app manifest does not meet the installability requirements <b>Failures: No manifest was fetched.</b>	✓

## PWA Optimized

Redirects HTTP traffic to HTTPS	✓
▲ Is not configured for a custom splash screen <b>Failures: No manifest was fetched.</b>	✓
Does not set an address-bar theme color	✓
▲ <b>Failures: No manifest was fetched, No `<meta &gt;`="" b="" found.<="" name="theme-color" tag=""/></b>	✓
Content is sized correctly for the viewport	✓
Has a <code>&lt;meta name="viewport"&gt;</code> tag with width or initial-scale	✓
Contains some content when JavaScript is not available	✓
▲ Does not provide a valid apple-touch-icon	✓

**Additional items to manually check (3)** — These checks are required by the baseline [PWA Checklist](#) but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

## Runtime Settings

URL	https://ajzhen.com/
Fetch time	Oct 23, 2019, 1:28 PM PDT
Device	Emulated Desktop
Network throttling	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)
CPU throttling	4x slowdown (Simulated)

**User agent (host)**

Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_15\_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.120 Safari/537.36

**User agent (network)**

Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_13\_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/74.0.3694.0 Safari/537.36 Chrome-Lighthouse

**CPU/Memory Power**

792

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