

Chairsyde Performance Audit & Optimization Guide

❖ OVERVIEW SUMMARY

❖ Common Issues Across All Pages:

These issues were found consistently across Landing, Login, Video Playback, and Voice Notes pages. Addressing them will significantly improve load speed and user experience.


- ❖ **Long JavaScript execution time (1.5–3.1s+):** JavaScript blocks rendering; aim for under 1.5s.
- ❖ **Heavy unused JavaScript and CSS:** Bloated assets slow down rendering. Target size reductions via tree-shaking and purging unused styles.
- ❖ **Render-blocking resources:** CSS or JS that blocks first paint. Inline critical CSS and defer others.
- ❖ **Legacy JavaScript:** Modern browsers don't need ES5/IE11 polyfills. Avoid transpiling for outdated support.
- ❖ **Missing preconnect hints:** Instruct the browser early to connect to critical domains like APIs, fonts, video CDNs.

PERFORMANCE METRIC EXPLAINERS

- ❖ First Contentful Paint (FCP): Time until the first text/image is visible.
 - **Good = <1.8s.**
- ❖ Largest Contentful Paint (LCP): Time until the main visible element loads.
 - **Good = <2.5s.**
- ❖ Total Blocking Time (TBT): Time JS blocks interactivity.
 - **Good = <200ms.**
- ❖ Speed Index: Time until visible content appears.
 - **Good = <3.4s.**

1. Landing Page

 URL: <https://demo.chairsyde.com/landing/>

 Performance Score: **29**

Issues:


- FCP: **3.1s** (should be <1.8s)
- LCP: **5.0s** (target <2.5s)
- TBT: **1.0s** (target <0.2s)
- Speed Index: **6.0s** (should be <3.4s)

Recommended Fixes:

- ✓ Tree-shake and split JavaScript bundles to reduce parsing time.
- ✓ Use async/defer for all non-essential JS.
- ✓ Inline critical CSS; lazy-load the rest.
- ✓ Add <preconnect> for: Algolia, Chargebee, Cloudflare, Google Fonts, YouTube.
- ✓ Audit and reduce payloads from Vidyard, Mixpanel, PostHog.

2. Login Page

 URL: <https://demo.chairsyde.com/>

 Performance Score: **37**

Issues:

- FCP: **3.1s** (should be <1.8s)
- LCP: **4.0s** (target <2.5s)
- TBT: **~660ms** (target <0.2s)
- Speed Index: **3.3s**

Recommended Fixes:

- ✓ Defer heavy JS like /0bc49ec.js and c6f50fd.js.
- ✓ Purge unused CSS classes.
- ✓ Remove legacy polyfills unless explicitly needed.
- ✓ Apply Brotli/Gzip compression server-side.
- ✓ Optimize or delay third-party scripts (e.g., Chargebee, Recaptcha, Userflow).

3. Video Playback Page

 URL: <https://demo.chairsyde.com/content/?treatment-category=9&treatment=61>

 Performance Score: **29**


Issues:

- FCP: **2.9s** (should be <1.8s)
- LCP: **5.4s** (target <2.5s)
- TBT: **1.07s** (target <0.2s)
- Speed Index: **4.9s** (should be <3.4s)

Recommended Fixes:

- ✓ Split JS into chunks and lazy-load player scripts (e.g., Plyr).
- ✓ Defer Chargebee and Vidyad JS.
- ✓ Preconnect to CDNs and YouTube.
- ✓ Remove unused Quill, V-Calendar, and Vue plugins where not required.
- ✓ Enable compression on API responses and static content.

4. Voice Notes Page

 URL: <https://demo.chairsyde.com/voice-note/>

 Performance Score: **29**

Issues:

- FCP: **3.0s** (should be <1.8s)
- LCP: **5.2s** (target <2.5s)
- TBT: **1.2s** (target <0.2s)
- Speed Index: **4.3s** (should be <3.4s)

Recommended Fixes:

- ✓ Fix redirect from /voice-note to /voice-note/ to prevent 4s delay.
- ✓ Reduce JS bundle sizes by trimming unused Vue components.
- ✓ Preload only critical assets and defer others.
- ✓ Preconnect to: hCaptcha, Userflow, Chargebee, Vidyad.
- ✓ Avoid repeating imports of f9b9b59.js and c6f50fd.js across routes.