

BUG REPORT

PERF-3102

Homepage takes 9+ seconds to load on mobile

Client	Copperline Coffee (fictional demo client)
Environment	iPhone 14, Safari, throttled 4G connection
Date reported	October 1, 2026
Reported by	QA, scheduled performance audit
Status	Fixed and verified
Severity	HIGH

Summary

During a routine performance audit, the Copperline Coffee homepage took over 9 seconds to reach Largest Contentful Paint on a mid-range phone over 4G. More than half of mobile visitors were leaving before the page finished loading, based on analytics bounce data.

Steps to Reproduce

1. Open the homepage on an iPhone 14 over a throttled 4G connection.
2. Hard-refresh and start the timer when the address bar request begins.
3. Wait until the hero image and headline are fully visible.
4. Record the Largest Contentful Paint time in Safari Web Inspector.
5. Repeat three times and average the result.

Expected Result

The homepage reaches Largest Contentful Paint in under 2.5 seconds on a throttled 4G connection, per the agreed performance budget.

Actual Result

Largest Contentful Paint averaged 9.4 seconds across three runs. The hero image alone was 4.2 MB, and three render-blocking scripts delayed first paint by over 4 seconds.

Root Causes Found

1. Hero image served at full 4.2 MB with no compression or responsive sizes.
2. Three third-party scripts loaded synchronously in the document head.
3. Below-the-fold gallery images loaded eagerly instead of lazily.

Measurements

Metric	Before	After
Largest Contentful Paint	9.4 s	1.8 s
Total page weight	6.1 MB	0.9 MB
Time to Interactive	11.2 s	2.6 s
Mobile bounce rate (7-day avg)	68%	31%

Fix Applied

Compressed and resized the hero image to 180 KB with responsive srcset sizes, deferred all non-critical scripts, enabled lazy loading on gallery images, and added preconnect hints for the font CDN.

Retest Result

PASS. Re-measured on the same iPhone 14 and 4G profile after the fix. All metrics inside the performance budget across five runs.

Sign-off

Fix verified on the same device and connection profile. No regressions found in checkout and navigation flows. Approved for production deploy.

QA Engineer _____

Date _____

Client _____

Date _____