

Performance Rubric

CRITERION	1	2	3	4	5
Bundle size	Single monolithic bundle > 500 KB, no code splitting	Route-level splitting attempted but vendor chunk still huge	Dynamic imports for heavy deps, reasonable chunk sizes	Tree-shaken, per-route budgets enforced, no barrel-file bloat	Sub-100 KB initial JS, automated bundle analysis in CI
Rendering efficiency	Full page re-render on every state change, no memoization	Some React.memo but deps arrays wrong, lists missing keys	Proper keys, useMemo/useCallback where measured, no layout thrash	Virtualized long lists, profiler-verified render counts	Server components for static content, zero wasted re-renders
Data fetching	Waterfall requests on mount, no caching, duplicate fetches	Some parallel fetches but no cache invalidation strategy	SWR/React Query with stale-while-revalidate, loading skeletons	Prefetching on hover/route, optimistic mutations, cache coordination	Edge caching, streaming responses, zero-waterfall architecture
Core Web Vitals	LCP > 6s, CLS > 0.25, no performance monitoring	LCP 4–6s, some layout shifts, images without dimensions	LCP 2.5–4s, CLS < 0.1, basic image optimization	LCP < 2.5s, all Core Web Vitals green, font display swap	Sub-second LCP, INP < 200ms, RUM dashboards, perf budgets in CI

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