

How I Optimized My React App to Handle 3 Million Users

My journey from app crash to scalability



Mohammed Mubarak
@mohammed-mubarak

Lazy Loading

Load only what's needed. Instant speed boost.



Mohammed Mubarak
@mohammed-mubarak

Optimized Images & WebP

Smaller, faster, better UX.



Mohammed Mubarak
@mohammed-mubarak

Memoization

Stop unnecessary re-renders.



Mohammed Mubarak
@mohammed-mubarak

Code Splitting

Only load code when needed.



Mohammed Mubarak
@mohammed-mubarak

Use CDN

Move static assets to Cloudflare / AWS CloudFront
— faster worldwide.



Mohammed Mubarak
@mohammed-mubarak

Optimize API Calls

Less load, smarter calls.



Mohammed Mubarak
@mohammed-mubarak

Enable SSR (Next.js)

Faster first paint + SEO boost.



Mohammed Mubarak
@mohammed-mubarak

WebSockets for Real-Time

No more polling. Instant updates.



Mohammed Mubarak
@mohammed-mubarak

Minify & Compress (Gzip/Brotli)

Smaller bundles, faster loads.



Mohammed Mubarak
@mohammed-mubarak

Load Testing (Apache JMeter)

Test BEFORE going live!



Mohammed Mubarak
@mohammed-mubarak

Key Optimizations:

Lazy Loading, Optimized Images, Memoization, Code Splitting, Use CDN, Optimize API Calls, Enable SSR, WebSockets, Minify & Compress, Load Testing



Mohammed Mubarak
@mohammed-mubarak

Have YOU faced performance issues in React?

What did you optimize? Let's share in comments!
#react #reactjs #javascript #webdevelopment
#frontend #scalability #performancetuning



Mohammed Mubarak
@mohammed-mubarak