Performance Interview Questions

1. How do you measure frontend performance?

2. What are Core Web Vitals and why are they important?

3. What tools do you use for performance monitoring (e.g., Lighthouse, Chrome DevTools, WebPageTest)?

4. How do you track performance in production?

5. What is Lighthouse, and how do you use it?

6. How do you analyze performance using Chrome DevTools?

7. What is the difference between runtime performance and load performance?

8. What strategies do you use to reduce bundle size or network requests?

9. What is lazy loading / code splitting?

10. How do caching and CDN improve performance?

11. What is HTTP/2 or HTTP/3, and how do they help performance?

12. What is the difference between CSR, SSR, SSG, and ISR?

13. When would you choose SSR over CSR?

14. What is hydration, and why is it important?

15. What are common causes of re-renders in React?

16. What techniques do you use to optimize build size?

17. What is tree-shaking?

18. How do you optimize images and static assets?

19. How do you handle environment-based build configurations (dev vs prod)?