React Questions

- What is the meaning of keys in React, and why are they important when rendering lists?
- List some cases when you should use Refs in React, and explain their purpose in those scenarios.
- What is the difference between useMemo and useCallback in React, and when would you use each?
- What is the difference between useEffect and useLayoutEffect in React, and in what scenarios would you prefer one over the other?
- Have you created custom React hooks? If so, can you provide examples and discuss their use cases?
- Describe a particularly challenging problem you encountered while working on a React project and how you solved it, focusing on technical depth and problem-solving skills.
- How do you optimize the performance of a React application, especially in terms of rendering speed and memory usage? Explain techniques such as lazy loading, caching, optimizing rerenders, virtualization, and memoization.
- Can you discuss your approach to designing highly reusable and composable React components?
- Discuss your experience with implementing internationalization (i18n) in React applications.
- How do you handle errors gracefully in React applications, particularly those occurring during rendering or asynchronous operations?
- Have you worked with advanced state management solutions other than Redux, such as Recoil, Jotai, or Zustand? If so, what were the advantages and challenges? Please discuss a complex challenge you faced while managing states.
- How do you handle security concerns in React applications, such as preventing XSS attacks or securing client-side routing? "avoid dangerouslySetInnerHTML", sanitize inputs, private routes …