

✓ Core Areas to Prepare (Full Stack + DSA)

♦ 1. HTML, CSS, JavaScript

● Interview Topics:

- Semantic HTML
- Flexbox vs Grid
- Event Bubbling/Capturing
- Closures, Hoisting, this
- Debounce vs Throttle
- Promises vs async/await

🧠 Sample Questions:

- What are the differences between `==` and `===` in JavaScript?
- How does the event loop work in JS?
- Explain how `localStorage` works.

♦ 2. React / Angular / Vue (whichever you use)

● Interview Topics:

- Component Lifecycle
- Props vs State
- Hooks (useEffect, useMemo, useCallback)
- Lifting State Up

- Conditional Rendering
- Virtual DOM

Sample Questions:

- How does `useEffect` differ from `componentDidMount()`?
 - How do you optimize a React app for performance?
 - What is memoization in React?
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◆ **3. Node.js / Express**

Interview Topics:

- Middleware
- REST API creation
- JWT Authentication
- Error handling
- Async programming

Sample Questions:

- How does middleware work in Express?
 - What's the difference between `PUT` and `PATCH`?
 - How do you handle errors in async code?
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◆ **4. Database (MongoDB / MySQL / PostgreSQL)**

Interview Topics:

- Joins (SQL)
- Aggregation pipeline (MongoDB)
- Indexing
- Data modeling

Sample Questions:

- What is normalization? Why do we need it?
 - How do you design a schema for a social media app?
 - How does indexing affect query performance?
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♦ **5. DSA (Basic Level)**

Must-know Topics:

- Arrays, Strings
- HashMaps, Sets
- Sorting Algorithms
- Recursion + Backtracking
- Stack/Queue
- Binary Search

Sample DSA Questions:

- Reverse a string or linked list
- Find first non-repeating character in a string
- Longest Substring Without Repeating Characters

- Implement a stack using queues
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♦ 6. System Design (Basic Round)

● Interview Topics:

- How to design login/signup system?
 - How will you scale an image hosting website?
 - Explain MVC architecture
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♦ 7. Project-based Questions

🧠 They will ask:

- What was your role in the project?
 - Tech stack used and why?
 - Biggest challenge faced and how you solved it
 - How did you handle state management?
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♦ 8. Behavioral Questions

- Why do you want to leave your current job?
- Where do you see yourself in 2 years?
- What are your salary expectations?
- How do you handle deadline pressure?