

Beginner's Guide to Preparing for Technical Interviews: Tips, Questions, and Practice

Subtitle: Master the basics of coding interviews and land your first software job with confidence.

Website Name: haas.dev

Website Link: <https://dev-roast-app.vercel.app>

Introduction

Technical interviews can be intimidating, but preparation and practice make them manageable. This guide helps beginners **understand the process, focus on key topics, and practice effectively** to improve chances of success.

Step 1: Understand the Interview Process

- Typical stages:
 1. **Resume Screening**
 2. **Online Coding Assessment**
 3. **Technical/Behavioral Interview**
 4. **System Design / Take-Home Project (for advanced roles)**
 - **Tip:** Know the company's interview style and past experiences from Glassdoor or forums
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Step 2: Core Topics to Study

- **Data Structures:** Arrays, Strings, Linked Lists, Stacks, Queues, Trees, Graphs
 - **Algorithms:** Sorting, Searching, Recursion, Dynamic Programming
 - **JavaScript/Language Fundamentals:** ES6 features, DOM, API usage
 - **System Basics:** Networking, HTTP, databases (for full-stack roles)
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Step 3: Practice Coding Questions

- Use platforms: **LeetCode, HackerRank, Codewars, GeeksforGeeks**
- Start with **easy** → **medium** → **hard** questions

- Example beginner problem: Reverse a string

```
function reverseString(str) {  
  return str.split('').reverse().join('');  
}  
console.log(reverseString("Hafsa")); // "asfaH"
```

Step 4: Solve Problems Step by Step

- Understand the problem
- Plan your approach
- Write pseudocode
- Code clearly
- Test with multiple examples

Step 5: Time & Space Complexity

- Learn Big O notation basics
- Example:
 - Looping through an array → $O(n)$
 - Nested loops → $O(n^2)$
- **Tip:** Discuss complexity during interviews

Step 6: Mock Interviews & Feedback

- Practice with friends or mentors
- Platforms: **Pramp**, **Interviewing.io**
- Record yourself explaining solutions → improves communication

Step 7: Behavioral Interview Prep

- Use **STAR method** (Situation, Task, Action, Result)
- Common questions:

Tell me about yourself

- Tell me about yourself
 - Describe a challenging project
 - How do you handle failure or feedback
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Step 8: Mini Projects & Portfolio

- Build small projects to demonstrate practical skills
 - Include GitHub links in resume and portfolio
 - Example: To-Do App, Weather App, Quiz App
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Step 9: Resume & Online Presence

- Keep resume clear, concise, 1 page for beginners
 - Showcase **skills, projects, GitHub, LinkedIn**
 - Tailor your resume for each application
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Step 10: Key Takeaways

- Understand the interview format before applying
 - Focus on **core coding topics, algorithms, and data structures**
 - Practice regularly with mock interviews and coding platforms
 - Prepare behavioral answers and projects to showcase real experience
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Visit **haas.dev** for step-by-step interview preparation guides, coding challenges, and beginner-friendly career resources.

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