

Software Engineering Interview Guide

Chapter 1: Technical Interview Preparation

1.1 Data Structures and Algorithms

- Master arrays, linked lists, stacks, queues
- Understand trees, graphs, and hash tables
- Practice dynamic programming and greedy algorithms

1.2 System Design Fundamentals

- Learn about scalability and load balancing
- Understand databases and caching strategies
- Practice designing distributed systems

1.3 Behavioral Questions

- Prepare STAR method examples
- Practice leadership and teamwork scenarios