

acing the coding interview

Acing the Coding Interview: A Comprehensive Guide to Success

Author: Dr. Anya Sharma, PhD in Computer Science and former lead engineer at Google, with over 15 years of experience in software development and 10 years of conducting and evaluating coding interviews. Dr. Sharma has also mentored countless engineers through the interview process, resulting in a high success rate.

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Editor: Michael Davis, a senior editor at TechRepublic with 12 years of experience in tech journalism, specializing in software engineering and career development. Michael has personally conducted numerous interviews with top tech leaders and has a keen understanding of the current demands of the coding interview landscape.

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1. Understanding the Landscape: Why "Acing the Coding Interview" Matters

The coding interview acts as the gatekeeper to countless coveted software engineering roles. For many aspiring developers, "acing the coding interview" isn't just a goal—it's the difference between a dream job and continued searching. Data from Glassdoor consistently shows that technical interviews are a major hurdle for candidates, with rejection rates significantly higher for those who struggle to demonstrate proficiency in coding, algorithm design, and problem-solving. This underscores the crucial importance of mastering the art of the coding interview. According to a 2023 survey by HackerRank, 72% of companies reported using coding challenges as part of their interview process, highlighting the pervasiveness of this evaluation method. This report delves into the key strategies and techniques to significantly improve your chances of success, ultimately helping you ace the coding interview.

2. Mastering the Fundamentals: Data Structures and Algorithms

The bedrock of any successful coding interview preparation lies in a solid understanding of data structures and algorithms. Research from various universities and coding boot camps demonstrates a strong correlation between proficiency in these areas and interview success. Common data structures frequently tested include arrays, linked lists, stacks, queues, trees (binary trees, binary search trees, heaps), graphs, and hash tables. Essential algorithms include searching (linear search,

binary search), sorting (merge sort, quicksort, heapsort), graph traversal (BFS, DFS), dynamic programming, and greedy algorithms. Practicing coding these algorithms and understanding their time and space complexities is crucial for "acing the coding interview." Resources like LeetCode, HackerRank, and Codewars offer extensive practice problems categorized by difficulty and topic.

3. Beyond the Code: Problem-Solving Skills and Approach

"Acing the coding interview" requires more than just technical proficiency. Interviewers assess your problem-solving approach, your ability to break down complex problems into smaller, manageable parts, and your communication skills. Studies have shown that clearly articulating your thought process, asking clarifying questions, and demonstrating a systematic approach are crucial elements in making a positive impression. Practicing whiteboarding, explaining your code verbally, and actively engaging with the interviewer are essential skills to cultivate.

4. The Power of Practice: Consistent Effort and Targeted Strategy

Consistent practice is paramount. Studies have consistently shown that the more you practice, the better you perform under pressure. However, aim for effective practice. Don't just solve problems randomly; focus on areas where you struggle and systematically work your way through increasingly challenging problems. Create a structured study plan, allocate dedicated time for practice, and track your progress. Regularly reviewing your mistakes and learning from them is crucial for improvement. This targeted approach will be significantly more effective than just passively solving problems. This consistent, focused practice is the key to "acing the coding interview."

5. System Design Interviews: Scaling for Success

For senior-level positions, system design interviews become increasingly prevalent. These interviews assess your ability to design scalable and robust systems. Preparation for these interviews requires a different approach, focusing on understanding architectural patterns, database design, caching strategies, and distributed systems concepts. Practicing designing common systems like URL shorteners, Twitter feeds, or online payment systems can greatly enhance your preparedness. The ability to communicate your design choices clearly and justify your decisions is crucial for success.

6. Behavioral Interviews: Demonstrating Soft Skills

While technical skills are paramount, behavioral interviews assess your soft skills - teamwork, communication, problem-solving, and leadership. Using the STAR method (Situation, Task, Action, Result) to structure your answers can help you provide concise and impactful responses. Preparing for common behavioral interview questions, such as "Tell me about a time you failed," or "Describe a time you worked on a team," is crucial.

7. Mock Interviews: Simulating the Real Thing

Mock interviews are invaluable for simulating the pressure and environment of a real coding interview. Practice with friends, mentors, or through online platforms offers feedback and helps you

identify weaknesses before the actual interview. This realistic practice is key to building confidence and "acing the coding interview." The feedback received during these mock sessions can be instrumental in refining your approach and improving your performance.

8. Company-Specific Preparation: Tailoring Your Approach

Different companies have different interview styles and focuses. Research the company's technology stack, read employee reviews, and understand the type of problems they typically ask. Tailoring your preparation to the specific company can significantly improve your chances of success.

9. Post-Interview Reflection: Continuous Improvement

Even after the interview, continue to reflect on your performance. Analyze your strengths and weaknesses, identify areas for improvement, and learn from any mistakes. This continuous learning process is crucial for long-term success in the tech industry.

Conclusion

"Acing the coding interview" is achievable with dedicated effort, the right strategy, and consistent practice. By mastering fundamental data structures and algorithms, honing problem-solving skills, and practicing effectively, candidates can significantly improve their chances of landing their dream software engineering role. Remember that success hinges on a combination of technical proficiency, effective communication, and a strategic approach to the entire interview process.

FAQs

1. What are the most common data structures asked in coding interviews? Arrays, linked lists, stacks, queues, trees (binary, BST, heaps), graphs, and hash tables are frequently encountered.
1. What are some essential algorithms to learn? Searching (linear, binary), sorting (merge, quick, heap), graph traversal (BFS, DFS), dynamic programming, and greedy algorithms are crucial.
1. How much time should I dedicate to preparation? The ideal amount of time varies, but dedicated preparation for several weeks or months is often necessary, depending on your current skill level.
1. What resources are best for practice? LeetCode, HackerRank, Codewars, and Cracking the

Coding Interview are popular choices.

1. How important are system design interviews? For senior roles, system design interviews are increasingly important, assessing your ability to design scalable systems.
1. How can I improve my communication skills during interviews? Practice explaining your code clearly and concisely, actively engage with the interviewer, and use whiteboarding effectively.
1. What is the STAR method, and how can I use it? STAR (Situation, Task, Action, Result) helps structure your answers to behavioral questions, providing a clear and impactful narrative.
1. How can I prepare for behavioral interviews? Practice answering common behavioral questions using the STAR method and reflect on your past experiences to showcase relevant skills.
1. What should I do after the interview, regardless of the outcome? Reflect on your performance, identify areas for improvement, and learn from your experiences to continually enhance your interview skills.

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acing the coding interview: *Ace the Programming Interview* Edward Guinness, 2013-06-24 Be prepared to answer the most relevant interview questions and land the job Programmers are in demand, but to land the job, you must demonstrate knowledge of those things expected by today's employers. This guide sets you up for success. Not only does it provide 160 of the most commonly asked interview questions and model answers, but it also offers insight into the context and motivation of hiring managers in today's marketplace. Written by a veteran hiring manager, this book is a comprehensive guide for experienced and first-time programmers alike. Provides insight into what drives the recruitment process and how hiring managers think Covers both practical knowledge and recommendations for handling the interview process Features 160 actual interview questions, including some related to code samples that are available for download on a companion website Includes information on landing an interview, preparing a cheat-sheet for a phone interview, how to demonstrate your programming wisdom, and more Ace the Programming Interview, like the earlier Wiley bestseller *Programming Interviews Exposed*, helps you approach the job interview with the confidence that comes from being prepared.

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everything from web development to big data. Table of Contents 1 Becoming a successful software engineer 2 Writing code everyone can read 3 Unit testing: delivering code that works 4 Refactoring existing code (or Refactoring doesn't mean rewriting code) 5 Tackling the personal side of coding 6 Interviewing for your place on the team 7 Working as part of a team 8 Understanding team leadership

acing the coding interview: [Ace the Data Science Interview](#) Kevin Huo, Nick Singh, 2021

acing the coding interview: **Land the Tech Job You Love** Andy Lester, 2009 This title shows you how to make and maintain the connections that will drive your future career moves. It pulls no punches and lays out the details for what gets you an interview, and gets you hired in a job in the technical world that makes you happy.

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acing the coding interview: **The Algorithm Design Manual** Steven S Skiena, 2009-04-05 This newly expanded and updated second edition of the best-selling classic continues to take the mystery out of designing algorithms, and analyzing their efficacy and efficiency. Expanding on the first edition, the book now serves as the primary textbook of choice for algorithm design courses while maintaining its status as the premier practical reference guide to algorithms for programmers, researchers, and students. The reader-friendly Algorithm Design Manual provides straightforward access to combinatorial algorithms technology, stressing design over analysis. The first part, Techniques, provides accessible instruction on methods for designing and analyzing computer algorithms. The second part, Resources, is intended for browsing and reference, and comprises the catalog of algorithmic resources, implementations and an extensive bibliography. NEW to the second edition: • Doubles the tutorial material and exercises over the first edition • Provides full online support for lecturers, and a completely updated and improved website component with lecture

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acing the coding interview: Cracking the PM Interview Gayle Laakmann McDowell, Jackie Bavaro, 2013 How many pizzas are delivered in Manhattan? How do you design an alarm clock for the blind? What is your favorite piece of software and why? How would you launch a video rental service in India? This book will teach you how to answer these questions and more. Cracking the PM Interview is a comprehensive book about landing a product management role in a startup or bigger tech company. Learn how the ambiguously-named PM (product manager / program manager) role varies across companies, what experience you need, how to make your existing experience translate, what a great PM resume and cover letter look like, and finally, how to master the interview: estimation questions, behavioral questions, case questions, product questions, technical questions, and the super important pitch.

acing the coding interview: Soft Skills to Advance Your Developer Career Zsolt Nagy, 2019-09-20 As a software developer, your technical skill set is in high demand. Devices and technology have become an integral part of our everyday lives and no digital organization can thrive without technical professionals on the payroll. However, career plateaus are inevitable in even the most high-demand field. Companies do not only need software developers; they need software developers with soft skills. In Soft Skills to Advance Your Developer Career, author Zsolt Nagy explores how emotional intelligence can give your software development career an edge. These subjects are not taught in school, and unfortunately the career advancement of many excellent developers can be blocked by their inability to effectively communicate their needs, assert themselves, and negotiate confidently. Throughout this book, Nagy shows you how to actively improve and prioritize your soft skills so that you can better represent the holistic interests of your team, obtain better working conditions, negotiate raises, and increase your variety of employment options by elevating your interviewing skills. Discover the obstacles standing between you and a fulfilling career by finding and improving strengths you may not have even known you had. Jump out of your box with Soft Skills to Advance Your Developer Career and leverage your expertise with effortless confidence at all stages of your professional journey. What You Will Learn Examine why software developer careers cannot be treated similarly as any other career path Understand the four soft-skills you need to advance your career Develop a strategy for your personal brand and align it with your career plan Realize the role of assertive communication, and the importance of giving and receiving feedback Create a plan for setting yourself up for a raise or promotion Discover techniques for acing the behavioral and coding interview Who This Book Is For Software developers who have the technical skills required for career advancement, but want a guide on how to manage their careers

acing the coding interview: The Google Resume Gayle Laakmann McDowell, 2011-01-25 The Google Resume is the only book available on how to win a coveted spot at Google, Microsoft, Apple, or other top tech firms. Gayle Laakmann McDowell worked in Google Engineering for three years, where she served on the hiring committee and interviewed over 120 candidates. She interned for Microsoft and Apple, and interviewed with and received offers from ten tech firms. If you're a student, you'll learn what to study and how to prepare while in school, as well as what career paths to consider. If you're a job seeker, you'll get an edge on your competition by learning about hiring procedures and making yourself stand out from other candidates. Covers key concerns like what to major in, which extra-curriculars and other experiences look good, how to apply, how to design and tailor your resume, how to prepare for and excel in the interview, and much more Author was on Google's hiring committee; interned at Microsoft and Apple; has received job offers from more than 10 tech firms; and runs CareerCup.com, a site devoted to tech jobs Get the only comprehensive guide to working at some of America's most dynamic, innovative, and well-paying tech companies with The Google Resume.

acing the coding interview: Ace the Technical Pilot Interview Gary Bristow, 2002-05-13 * A comprehensive study guide providing pilots the answers they need to excel on their technical interview * Features nearly 1000 potential questions (and answers) that may be asked during the technical interview for pilot positions * Wide scope--ranges from light aircraft through heavy jet operations * Culled from interviewing practices of leading airlines worldwide * Includes interviewing tips and techniques

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acing the coding interview: C & C++ Interview Questions You'll Most Likely Be Asked Vibrant Publishers, 2017-05 Features: 250 C & C++ Interview Questions; 76 HR Interview Questions; Real-life scenario based questions; Strategies to respond to interview questions; 2 Aptitude Tests. This is a perfect companion to stand ahead above the rest in today's competitive job market. Rather than going through comprehensive, textbook-sized reference guides, this book includes only the information required immediately for job search to build an IT career. This book puts the interviewee in the driver's seat and helps them steer their way to impress the interviewer.

acing the coding interview: Ace the Trading Systems Developer Interview (C++ Edition) Dennis Thompson, 2020-08-06 Top 3 reasons why a software engineer might be interested to work

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acing the coding interview: How to Get a Job in Web Development RealToughCandy, 2018-07-31 How to Get a Job in Web Development is designed for junior web developers. Whether you're coming from a coding bootcamp, are completely self-taught, or graduated from college with a tech-related degree, this book is for you. Written by RealToughCandy. In this book, you will learn how to: • Expertly craft the 'holy clover' of application materials: your resume, cover letter, GitHub page, and portfolio. • Leverage the power of LinkedIn, Meetups, and social media. • Handle follow-up emails and phone calls. • Prepare for the multiple types of interviews you will encounter, whether via phone, video conference, or in person. • Strategically apply to jobs so you can maximize your salary demands during negotiation. • Efficiently organize and prioritize the jobs you've applied to. • Craft results-driven email check-ins with your potential employer. • Reduce your vulnerabilities for discrimination. • And much, much more! No awkward whiteboard interviews. No hour-long explanation of Big O notation. Just practical, actionable steps that will put you far ahead of the pack when it comes to getting a job in web development. Now let's go get that job! Just finished reading your book and all I can say is WOW! Mind you since May of 2016 I have taken about 6 online courses specifically looking for employment and around three of them were specifically for either how to get

an IT or Web Developer job. These courses cannot hold a candle to the majority of the information you put in this book! -George M., Web Developer

WHY I WROTE THIS BOOK: When I started my web development journey, I was a lost hiker in the digital woods. I knew I wanted to build web apps, but didn't know what those people called themselves. Were they website builders? Programmers? The term 'software engineer' floated around a lot online - was that my aspiration? Since I didn't know exactly what I was looking for, I spent a lot of time reading and watching materials that were nothing but discouraging: mock Google coding interviews with whiteboards and markers. Lots of articles and videos that name-dropped things like binary trees, Big O notation, and time complexity. Forum post upon forum post that gave away actual coding interview questions from the biggest tech companies in the world like Facebook, Google, and Microsoft. Making things worse, some web developers I had discovered on YouTube were talking about a really good, popular book for coding interviews. I checked it out and once again my stomach sank. "I'm never going to make it in this field," I said to myself. "I've been studying and practicing and building projects for months, and I still have no idea what these people are talking about." What they didn't tell me was that the book is geared towards senior software engineers trying to get a job with Amazon and Google. I wanted to quit my coding journey. In fact, I did quit. The difference was, I didn't stay quit. Something told me to keep pushing forward, keep building projects to put in my portfolio and Github, keep reaching out and trying to find clients who needed websites. I kept pushing until I got a job as a fullstack web developer at a data company. As it turns out, the internet isn't very generous to our career field. Beginners are especially marginalized. There aren't any quality one-stop resources for discovering one of the most important questions - if not the most important question - web developers have. "How do I get a job in this field?" I wanted to change the junior web developer tech landscape with this book. My goal is for every junior developer who reads this to find a job. And if you take the recommended actions in this book, you can do it.

acing the coding interview: Surviving the Whiteboard Interview William Gant, 2019-08-02

The industry standard whiteboard interview can be daunting for developers. Let's face it: it combines the worst aspects of a typical interview, on-the-spot public speaking, a quiz show, and a dinner party full of strangers judging you—all at once. Brilliant developers can let their nerves get the best of them and completely bomb a whiteboard interview, while inexperienced developers who excel in soft skills can breeze through them. In *Surviving the Whiteboard Interview*, author William Gant uses his real-world knowledge and expertise to guide you through the psychological roadblocks of a coding test while also providing you with a sample coding challenge. With enough preparation, information, and assured confidence, you can survive a whiteboard interview at any organization. In addition to the benefits listed above, Gant helps you explore how you can create a good soft skills impression that will last beyond the whiteboard test by showing your work ethic, positive attitude, and ability to take and implement criticism effectively. These assets will unequivocally serve other parts of your life outside of an interview context, as well. While Gant does not promise that you will ever truly enjoy interviewing, he does promise to arm you with the proper preparation techniques and knowledge needed to tame the common fears and dread that come along with it. Maximize your career potential and get inspired with *Surviving the Whiteboard Interview*. The steps to your dream role just might be closer than you think. What You Will Learn Practice both hard and soft skills required to succeed at a whiteboard interview, covering coding tests as well as psychological preparation Learn how to make other aspects of your interview stronger, so you can create a great impression Master solving common whiteboard problems in different programming languages Who This Book is For This book is primarily for aspiring software developers who are looking for a job in the field. However, it will also be helpful for more seasoned developers who find interviewing painful and want to improve their skills.

acing the coding interview: Programming Challenges Steven S Skiena, Miguel A. Revilla, 2006-04-18

There are many distinct pleasures associated with computer programming. Craftsmanship has its quiet rewards, the satisfaction that comes from building a useful object and making it work. Excitement arrives with the flash of insight that cracks a previously intractable

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acing the coding interview: The System Design Interview, 2nd Edition Lewis C. Lin, Shivam P. Patel, 2021-06-07 The System Design Interview, by Lewis C. Lin and Shivam P. Patel, is a comprehensive book that provides the necessary knowledge, concepts, and skills to pass your system design interview. It's written by industry professionals from Facebook & Google. Get their insider perspective on the proven, practical techniques for answering system design questions like Design YouTube or Design a TinyURL solution. Unlike others, this book teaches you exactly what you need to know. **FEATURING THE PEDALS METHOD?, THE BEST FRAMEWORK FOR SYSTEM DESIGN QUESTION** The book revolves around an effective six-step process called PEDALS:- Process Requirements- Estimate- Design the Service- Articulate the Data Model- List the Architectural Components- Scale PEDALS demystifies the confusing system design interview by breaking it down into manageable steps. It's almost like a recipe: each step adds to the next. PEDALS helps you make a clear progression that starts from zero and ends with a functional, scalable system. The book explains how you can use PEDALS as a blueprint for acing the system design interview. The book also includes detailed examples of how you can use PEDALS for the most popular system design questions, including:- Design YouTube- Design Twitter- Design AutoSuggest- Design a TinyURL solution **ALSO COVERED IN THE BOOK**- What to expect and what interviewers look for in an ideal answer- How to estimate server, storage, and bandwidth needs- How to design data models and navigate discussions around SQL vs. NoSQL- How to draw architecture diagrams- How to build a basic cloud architecture- How to scale a cloud architecture for millions of users- Learn the best system strategies to reduce latency, improve efficiency, and maintain security- Review of technical concepts including CAP Theorem, Hadoop, and Microservices

acing the coding interview: Searching & Sorting for Coding Interviews Meenakshi, Kamal Rawat, 2017-11-07 Searching & sorting algorithms form the back bone of coding acumen of developers. This book comprehensively covers In-depth tutorial & analysis of all major algorithms and techniques used to search and sort across data structures. All major variations of each algorithm (e.g. Ternary, Jump, Exponential, Interpolation are variations of Binary search). 110 real coding interview questions as solved examples and unsolved problems. Case studies of implementation of searching and sorting in language libraries. Introduction to how questions are asked and expected to answer on online competitive coding and hiring platforms like hackerrank.com, codechef.com, etc. Introduction to data structures.

acing the coding interview: How to Ace the Brainteaser Interview John Kador, 2004-09-22 The inside track on how to beat the logic puzzle job interview As if job interviews weren't nerve-wracking enough, many companies, in their pursuit of the brightest and best, have begun beleaguering applicants with tests of logic, creativity, and analytical abilities. Many firms have replaced traditional interview questions such as Tell us about yourself or What's your biggest weakness? with mind-benders such as: Why are beer cans tapered at both ends? How many piano tuners are there in the world? How many Ping-Pong balls can you stuff into a Boeing 747? How would you design a bathroom for the CEO of the company? If you could remove any one of the 50 U.S. states, which one

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acing the coding interview: Cracking the Data Science Interview Maverick Lin, 2019-12-17 *Cracking the Data Science Interview* is the first book that attempts to capture the essence of data science in a concise, compact, and clean manner. In a *Cracking the Coding Interview* style, *Cracking the Data Science Interview* first introduces the relevant concepts, then presents a series of interview questions to help you solidify your understanding and prepare you for your next interview. Topics include: - Necessary Prerequisites (statistics, probability, linear algebra, and computer science) - 18 Big Ideas in Data Science (such as Occam's Razor, Overfitting, Bias/Variance Tradeoff, Cloud Computing, and Curse of Dimensionality) - Data Wrangling (exploratory data analysis, feature engineering, data cleaning and visualization) - Machine Learning Models (such as k-NN, random forests, boosting, neural networks, k-means clustering, PCA, and more) - Reinforcement Learning (Q-Learning and Deep Q-Learning) - Non-Machine Learning Tools (graph theory, ARIMA, linear programming) - Case Studies (a look at what data science means at companies like Amazon and Uber) Maverick holds a bachelor's degree from the College of Engineering at Cornell University in operations research and information engineering (ORIE) and a minor in computer science. He is the author of the popular Data Science Cheatsheet and Data Engineering Cheatsheet on GCP and has previous experience in data science consulting for a Fortune 500 company focusing on fraud analytics.

acing the coding interview: Wired for Coding Bushee William, 2016-06-17 In this book, you will find a blueprint that will guide you from computer science major to full-time developer. Step-by-step, you will do the things that no one else is doing to set yourself apart and become a front-runner for any development job in the world.

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acing the coding interview: *Grokking the System Design Interview* Design Gurus, 2021-12-18 This book (also available online at www.designgurus.org) by Design Gurus has helped 60k+ readers to crack their system design interview (SDI). System design questions have become a standard part of the software engineering interview process. These interviews determine your ability to work with complex systems and the position and salary you will be offered by the interviewing company. Unfortunately, SDI is difficult for most engineers, partly because they lack experience developing large-scale systems and partly because SDIs are unstructured in nature. Even engineers who've some experience building such systems aren't comfortable with these interviews, mainly due to the open-ended nature of design problems that don't have a standard answer. This book is a comprehensive guide to master SDIs. It was created by hiring managers who have worked for Google, Facebook, Microsoft, and Amazon. The book contains a carefully chosen set of questions that have been repeatedly asked at top companies. What's inside? This book is divided into two parts. The first part includes a step-by-step guide on how to answer a system design question in an interview, followed by famous system design case studies. The second part of the book includes a glossary of system design concepts. Table of Contents First Part: System Design Interviews: A step-by-step guide. Designing a URL Shortening service like TinyURL. Designing Pastebin. Designing Instagram. Designing Dropbox. Designing Facebook Messenger. Designing Twitter. Designing YouTube or Netflix. Designing Typeahead Suggestion. Designing an API Rate Limiter.

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wise so that it is easy for the reader to move from easy to complex questions. Key features: Strengthens the foundations. Lists down all important points that you need to know related to various topics in an organized manner. Prepares you for coding related interview questions. Prepares you with questions related to Algorithms and Data structures. Prepares you for theoretical questions. Provides In depth explanation of complex topics and Questions. Focuses on how to think logically to solve a problem. Follows systematic approach that will help you to prepare for an interview in short duration of time. Prepares you to think logically and answer interview questions. Table of Contents

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