

Software Development

Interview Prep Material

[Full Stack Development](#)

[Blockchain](#)






[DevOps](#)

[Cyber Security](#)

[Big Data](#)

[Cloud Backend Development](#)

Full Stack Development

Skill	Links
OOPS	<ul style="list-style-type: none"> • 300 Core Java Interview Questions (2022) - javatpoint • OOPS MCQ (Multiple Choice Questions) - Javatpoint • 40+ OOPS Interview Questions and Answers (2022) - InterviewBit
Data Structures and Algorithm	<ul style="list-style-type: none"> • https://www.interviewbit.com/data-structure-interview-questions
	<ul style="list-style-type: none"> •  SD C23 TA HOURS - BOOTCAMP •  SD C23 TA HOURS - BOOTCAMP •  SD C23 TA HOURS - BOOTCAMP •  SD C21 LIVE TA SESSION - 18-Dec-Devendra
	<ul style="list-style-type: none"> •  Interview Question Bank
Coding questions	<ul style="list-style-type: none"> • Frequently asked questions with answers
JavaScript	<ul style="list-style-type: none"> • 1000 JavaScript MCQ (Multiple Choice Questions) - Sanfoundry • JavaScript Interview Questions and Answers (2022) - InterviewBit • GitHub - sudheerj/javascript-interview-questions
HTML	<ul style="list-style-type: none"> • HTML, CSS, JS Interview questions • Top HTML and HTML5 Interview Questions (2022) - InterviewBit • 15 Most Important HTML Interview Questions & Answers [2022] upGrad blog
CSS	<ul style="list-style-type: none"> • 40+ Top CSS Interview Questions and Answers in 2022 [Updated] • Top 30+ Popular CSS Interview Questions and Answers

SQL	<ul style="list-style-type: none"> • https://www.youtube.com/watch?v=ZoFBdsvJoiU&ab_channel=upGrad-T • https://www.youtube.com/watch?v=7RO911TziQI • Top 115 SQL Interview Questions and Answers in 2022 Edureka • SQL Interview Questions CHEAT SHEET (2022) - InterviewBit
JAVA	<ul style="list-style-type: none"> • https://bit.ly/upgrdJVBtcmp Java Bootcamp by Jigar Jani - recordings of mock • Frequently asked questions with answers • https://youtu.be/0I4p1Sa07xw Java Crash Course-Session 1 • https://youtu.be/uCBZYyaX1F4 Java Crash Course-Session 2 • https://youtu.be/seP9kRsYEYQ Java Crash Course-Session 3 • Trail: Essential Java Classes (The Java™ Tutorials) • 1000 Java MCQ (Multiple Choice Questions) - Sanfoundry • W3Schools Java Quiz
MongoDB	<ul style="list-style-type: none"> • https://www.youtube.com/watch?v=h4_yN5rKB6Y • Commonly Asked MongoDB Interview Questions (2022) - Interviewbit • Top 80+ MongoDB Interview Questions and Answers - 2022
Express js	<ul style="list-style-type: none"> • Express.js Interview Questions and Answers (2022) - javatpoint • Top 10 Express JS Interview Questions and Answers updated for 2021
Angular js	<ul style="list-style-type: none"> • Top AngularJS Interview Questions (2022) - InterviewBit • Top 75 AngularJS Interview Questions and Answers for 2022
Nodejs	<ul style="list-style-type: none"> • 30+ Top Node.js Interview Questions for Beginners and Experienced(2022) - InterviewBit • GitHub - learning-zone/nodejs-interview-questions: Node.js Interview Questions (v16.0.x) • Top 50 Node.js Interview Questions & Answers 2022 - Intellipaat • Top 50+ Node.js Interview Questions and Answers for 2022 Simplilearn • Top 32 Node.js Interview Questions (2022) - javatpoint
ReactJS	<ul style="list-style-type: none"> • React Interview Questions & Answers • https://youtu.be/OfvnWfrzkhg • https://www.youtube.com/watch?v=d7Q7xtYDXec • https://www.youtube.com/watch?v=fp3fMjxaPss • React Interview Questions and Answers (2022) - InterviewBit
RESTful APIs	<ul style="list-style-type: none"> • Top REST API Interview Questions and Answers (2022) - InterviewBit • 27 REST API Interview Questions (ANSWERED) Devs Must Know FullStack.Cafe • Top 17 REST API Interview Questions and Answers to help crack your interview
SpringBoot	<ul style="list-style-type: none"> • Spring Quiz Spring Online Test - javatpoint • Spring Interview Questions and Answers (2022) - InterviewBit • Top Spring Boot Interview Questions (2022) - InterviewBit
Micro Services	<ul style="list-style-type: none"> • Microservices Interview Questions & Answers [updated 2021]
TypeScript	<ul style="list-style-type: none"> • Top 50 TypeScript Interview Questions and Answers in 2022 Edureka • Top TypeScript Interview Questions (2022) - InterviewBit • Top 50 TypeScript Interview Questions With Answers for 2022 Simplilearn
Redux	<ul style="list-style-type: none"> • 31 Redux Interview Questions (ANSWERED) React Devs Must Know in 2020 FullStack.Cafe • Top 10 Redux Interview Questions & Answers {Updated for 2021}

Blockchain

Skill	Links
Blockchain	<ul style="list-style-type: none"> Top 30 Blockchain Interview Questions and Answers for 2022 Top 55 Blockchain Interview Questions and Answers in 2022 Edureka Blockchain MCQ Questions 2022 - Courseya Blockchain MCQ Quiz & Online Test 2022 Blockchain Multiple-Choice Questions (MCQs) with Answers
Ethereum	<ul style="list-style-type: none"> 35+ Ethereum Interview Questions and Answer - 101 Blockchains Top Ethereum Interview Questions (2022) CodeUsingJava https://www.cryptocompare.com/quiz/ethereum-beginner/
Hyperledger /Hyperledger Fabric	<ul style="list-style-type: none"> Top 30 Hyperledger Interview Questions for 2022 - 35+ Hyperledger Interview Questions And Answers - 101 Blockchains Hyperledger Fabric: 20 Real Interview Questions
Solidity	<ul style="list-style-type: none"> Solidity Interview Questions https://vigoweb.com/frequently-asked-solidity-interview-questions-and-answers-6553cca111c0 Top Solidity Interview Questions and Answers in 2022
Cryptocurrency	<ul style="list-style-type: none"> Top 28 Bitcoin Interview Questions (2022) - javatpoint 300+ REAL TIME Cryptocurrency Interview Questions & Answers Top 30 Bitcoin Interview Questions & Answers [UPDATED 2022]

DevOps

Skill	Links
DevOps	<ul style="list-style-type: none"> Top DevOps Interview Questions (2022) - InterviewBit Top 100+ DevOps Interview Questions and Answers for 2022 Top 30+ DevOps & CI/CD Pipeline Interview Questions for 2022 DevOps MCQ (Multiple Choice Questions And Answers) Tutorials Link 50+ Devops MCQ Test and Online Quiz - MCQPoint
AWS	<ul style="list-style-type: none"> Top 50 AWS DevOps Interview Questions & Answers 2022 - Intellipaat Top 30 AWS DevOps Interview Questions and Answers You Must Learn
CI/CD/Git	<ul style="list-style-type: none"> 30 Common CI/CD Interview Questions (with Answers) - Semaphore Ultimate CI CD DevOps Interview Questions (2022) 20 CI/CD Interview Questions DevOps Engineers Should Know FullStack.Cafe

Cyber Security

Skill	Links
Cyber Security	<ul style="list-style-type: none"> • Top 50 Cyber Security Interview Questions and Answers in 2022 • Top Cyber Security Interview Questions (2022) - InterviewBit • Top 110 Cyber Security Interview Questions & Answers (2022) • Top 50 Cybersecurity Interview Questions And Answers - 2022 • 1000 Cyber Security MCQ (Multiple Choice Questions) - Sanfoundry • Top 50 Cyber Security MCQs and Answers • Cyber Security MCQ (Multiple Choice Questions) - javatpoint
Cryptography	<ul style="list-style-type: none"> • 50+ Frequently Asked Cryptography Interview Questions - 2022
Network Security	<ul style="list-style-type: none"> • Top 20 Network Security Interview Questions - InfoSecTrain • Top 20 Network Security Interview Questions & Answers - Talent Economy
SQL injection attack	<ul style="list-style-type: none"> • Top 10 Interview Questions: SQL Injection OWASP Application Security - All About Testing • SQL Injection Questions and Answers - Sanfoundry
Linux, Scripting	<ul style="list-style-type: none"> • Top 30 Shell Scripting Interview Questions And Answers for 2022 • Top 30 Kali Linux Interview Questions (2022) - javatpoint

Big Data

Skill	Links
Python	<ul style="list-style-type: none"> • 50 Top Python Interview Questions and Answers in 2022 [Updated] • Top 120+ Python Interview Questions and Answers [2022]- Great Learning • ▷ Top 100 Python Interview Questions & Answers Mindmajix • 1000 Python MCQ (Multiple Choice Questions) - Sanfoundry • 50+ Python MCQ With Answers
Hadoop	<ul style="list-style-type: none"> • Top 100 Hadoop Interview Questions and Answers 2022 • Top 100 Hadoop Interview Questions and Answers - DataFlair • Top 80 Hadoop Interview Questions you must learn in 2022!
Apache Spark	<ul style="list-style-type: none"> • Top 65 Apache Spark Interview Questions and Answers - DataFlair • 50 Best Apache Spark Interview Questions & Answers in 2022 [Updated]
AWS	<ul style="list-style-type: none"> • 101 AWS Interview Questions and Answers • ▷ Top 100 AWS Interview Questions and Answers in *2022 • TOP 30 AWS Interview Questions and Answers (LATEST 2022)
Hive	<ul style="list-style-type: none"> • Top 30 Hive Interview Questions & Answers (2022 Update) • Top 30 Tricky Hive Interview Questions and Answers - DataFlair • 50 Important Hive Interview Questions For 2021

Cloud Backend Development

Skill	Links
Cloud	<ul style="list-style-type: none"> Top Cloud Computing Interview Questions (2022) - InterviewBit Top 70+ Cloud Computing Interview Questions (2022) Top 40 Cloud Computing Interview Questions & Answers (2022) 1000 Cloud Computing MCQ (Multiple Choice Questions) - Sanfoundry
Kubernetes	<ul style="list-style-type: none"> Top Kubernetes Interview Questions and Answers (2022) Kubernetes interview questions 21 Kubernetes Interview Questions (ANSWERED) For Senior and DevOps Developers FullStack.Cafe Kubernetes Interview Questions & Answers Beginner & Advanced-Zeolearn
Docker	<ul style="list-style-type: none"> Top Docker Interview Questions and Answers (2022) - InterviewBit Top 50 Docker Interview Questions and Answers in 2022 Edureka Top 40 Docker interview questions (with answers)
Microservices in cloud	<ul style="list-style-type: none"> Top 25 Microservices Interview Questions and Answers (2022) Top Microservices Interview Questions and Answers in 2022 Edureka
AWS	<ul style="list-style-type: none"> AWS Interview Questions (2022) - InterviewBit Top 30 AWS Cloud Support Engineer Interview Questions and Answers - Whizlabs Blog Top AWS Interview Questions and Answers for 2022 Top 50 AWS Interview Questions & Answers (2022 Update)

upGrad CS Career Bootcamp Recordings

- Be JOB Ready Series by Mr. Vikram Anand
 - <https://drive.google.com/drive/folders/1ezQ4AiDSrcOqHzc800An0PK3snFAxo2h?usp=sharing>
 - <https://drive.google.com/drive/folders/1EAQ4Fr2WnYqVhADGpvHqpCB8GU6r4mNM?usp=sharing>
- Aptitude Sessions by Mr. Sharad Mishra
 - https://drive.google.com/drive/folders/18MfjEcJBb336Ps9f9SAIFhg-g4_R-NOu?usp=sharing
- The Science Behind Promotion by Mr. Anup Mittal
 - https://drive.google.com/drive/folders/1H049Yv6Dkh9_ms0ZBzUwovl9uleb3Rtb?usp=sharing
 - <https://drive.google.com/drive/folders/1QzepgevFGQF0M3PX5UexIrYWD0YMOEkV?usp=sharing>
- How to Communicate Effectively
 - <https://youtu.be/mSqtT8TpTVM->
- Career Options in Post Pandemic Era
 - <https://youtu.be/3BzCmxkJ7zU>
- Guesstimates-I

- <https://youtu.be/14wbPWm2LIw>
- Guesstimates-II
 - <https://youtu.be/hLKTExyZvu0>
- Case-Based Problem Solving I
 - <https://youtu.be/YyRVuPEUcRo>
- Case-Based Problem Solving II
 - <https://youtu.be/xNrhz3CrXuW>
- Basic Excel
 - <https://drive.google.com/drive/folders/18fUqACRHkR7TBEv-O0txgo9bUPHpRLzj?usp=sharing>
- Advance Excel
 - https://drive.google.com/drive/folders/1P87pr-30_U8QkQo1m-Tph55jInekourW?usp=sharing

Some General Tips for Interview Preparation

An Introduction

- The big day is around the corner - your interview!
- And we want you to ace it. Use the checklist below to be fully prepared. Go through each of the items in the checklist.
- They have been grouped into things you need to do **before**, **during** and **after** the interview.

BEFORE THE INTERVIEW

1. Spend time researching the industry, and company in great detail. Go through free analyst reports that are available on the web. Speak to past and present company employees.
2. If you're changing your career, make sure you research the industry and job role and prepare an answer for exactly why you are making a career change.
3. Make sure you know the name of the person or people interviewing you.
4. Find out if the interview will be a formal panel interview or a one-on-one interview. Will it be preceded by a written test or a group discussion? How many interviews are you likely to face that day? Are there any written formalities prior to the interview? It's a good idea to have some idea of the structure of the day so that you aren't surprised by what you experience.
5. Research your interviewers – Google their names and check them up on LinkedIn. Very often you may know people in common, or be a part of the same alumni!

Remember to bring that up in the interview.

6. Print 3 copies of your CV to take with you. Do not assume that the interviewers will have a copy of your resume ready. Prepare for an SOS situation where they ask you to give them your resume during the interview. You'll look silly if you haven't carried it to the interview.
7. Very often candidates do not read their CV before going in for the interview. The CV was probably prepared two to three months ago, and on the day of the interview, they have absolutely no idea what's written on it. Don't be that sort of person. Re-read your CV the night before the interview.
8. Plan the journey to the interview destination. Use Google Maps and have at least two routes to your destination. If possible, drive there one day earlier to be familiar with the location, parking issues, and any diversions in the route that may not show up in Google maps.
9. Take the contact number of either the head-hunter or the hiring manager, or the company reception number with you in case there are any problems.
10. Print out a map of your route. If you have a tech glitch during your ride and Google maps doesn't work, the good old paper map will be very handy.
11. Leave a good half an hour before you think you need to. You'll arrive in time, and be well prepared for any unanticipated delays. If you arrive too early (say > 20 mins) to the venue, take a walk outside, sit in the park, or in your car. Landing up > 30 mins for the interview isn't a good sign either.
12. Prepare what you'll be wearing for the interview, the night before. Have your dress or suit dry-cleaned or pressed in advance? Your shoes should be polished, socks matching your trousers, and keep a clean handkerchief.
13. If you are a smoker, remember to carry along a pack of strong mint candy (not gum) and pop one in 10 mins before the interview.
14. Have a nice leather portfolio to carry your resumes and two pens along with any identification if required.

AT THE INTERVIEW

1. Switch off your mobile phone. Please do this outside the interview room. You'll be thrown off guard if your phone rings during the interview discussion, and may find it very hard to regain composure.
2. Enter the room with a broad smile! A smile shows that you're happy to be there and meet the interviewer. Make sure the smile is genuine.

3. Shake hands firmly with each of the interviewer/s. Ensure your hands are not sweaty though, due to the heat or stress!
4. Ask for a glass of water if your mouth is dry. An interview is a stressful situation and under stress, your mouth will dry fast.
5. Ask questions about the role and company. An interview is not a one-way monologue where you are only expected to answer their questions. Prepare a few questions of your own to ask them.
6. Listen to the question first before you answer. Many candidates are so eager to 'show off their knowledge that they don't bother to really understand the question and end up giving the wrong answer and making a fool of themselves.
7. Always be brief in answering. Each question should be answered in 30 – 45 seconds at the most. If you have to give a long answer – recap the main points at the end.
8. Breathe deeply during the interview. Relax. If your breath becomes shallow your voice will become high-pitched and squeaky. That does not show confidence.
9. Lean forward a little bit while answering questions, smile a lot, maintain eye contact, and if there is more than one interviewer - engage in eye contact with each of them.
10. At the end of the interview, ask them what the next steps are going to be.
11. If you want to practise mock interviews, use this free resource:
<http://myinterviewsimulator.com/>

AFTER THE INTERVIEW

1. Send notes/emails to each of the interviewers to thank them for the opportunity.
2. Keep the head hunter informed about your interview experience. S/he will probably get feedback from the hiring company first.
3. Jot down your interview experience in your job journal within 6 hours of the interview, so that you can refer to it for your next interview. Write down the highlights and any mistakes you may have made, or what you could have done better.
4. Once the interview is over, reflect on the experience and move on quickly to the next lead/interview in your job search funnel. You have some control over the interview experience, but absolutely no control over the outcome.

5. If you don't get selected, don't get dejected for too long. Learn from the mistake and move on. Rejection only means that the role was not a good fit with your profile and experience. Don't take it personally.

TOP GENERIC QUESTIONS

Q1. Tell me about yourself

Q2. Why are you the best person for this job?

Q3. Explain how your academic training has prepared you for this role

Q4. Give us an example of a creative solution to a specific problem you've solved

Q5. Walk us through your work experience

Q6. Are you analytical? Prove it.

Q7. Prove you can work under pressure with an example

Q8. In what work environment are you most productive?

Q9. How do you respond to criticism?

Q10. Name three adjectives that describe you/how would your friends describe you

Q11. Why do you want this job?

Q12. What are you looking for in your next position?

Q13. What are your strengths?

Q14. What are your weaknesses?

Q15. How would coworkers describe you?

Q16. Are you willing to relocate?

Q17. What are your greatest achievements?

Q18. Describe the three things that are important to you in a job

Q19. What are your short-term goals?

Q20. What salary are you expecting?

Q21. Why do you want to leave your current job?

Q22. What do you know about our organisation?

Q23. What have you gained from your work experience?

Q24. Is there any question you would like to ask us?

Q25. Give me an example where you could not make a decision or speak up because you did not have enough information

Q26. Give me an example of when you had to make a decision without all the information. What was the outcome and were you happy with it?

Q 27. What is the most difficult decision you have had to take? What was the outcome?

Q 28. Tell me about a situation when you had to solve a difficult problem. Thought process, execution, outcome. Done differently

Q 29. Describe a situation when you had to make decisions under pressure or a time limit.

Q 30. Describe a situation when you had to take a public stand on an issue and then had to change it.

Q 31. What steps do you follow to study a problem before making a decision and why?

Q 32. Tell me about a problem you had to solve in a unique or unusual way. What was the outcome?

Q 33. How do you decide what gets top priority while scheduling your time?

Q 34. How do you prioritise your projects and tasks while scheduling your time?

Q 35. Describe a situation when you had to do a number of things at the same time. How did you handle it? What was the result?

Q 36. Have you ever had difficulty getting others to accept your ideas? What was your approach, did it work?

Q 37. Describe a scenario when you have gone over and above what was expected of you at work

Q 38. Describe a situation when you took initiative rather than doing what you were told

Q 39. Tell me about a situation when you had to head a project. How did you do it? What was the outcome?

Q 40. At work what was the toughest group you had objections from? How did you overcome them? What was the result?

Q 41. Give me an example of when you had to show good leadership.

Q 42. Tell me about a situation when you had to speak up and be assertive about a point of view that was important to you.

Q 43. Tell me about a time when your active listening skills really paid off.

Q 44. What has been your experience in giving presentations to large or small groups?

Q 45. What has been your most successful experience in speechmaking?

Q 46. Have you ever had to 'sell' your ideas to a co-worker? How did you do it?

Q 47. How do you resolve issues with your co-workers who still disagree with you?

- Q 48.** How do you handle a team member who does not finish his share of work?
- Q 49.** Describe a situation when you had to arrive at a compromise with a team member
- Q 50.** Describe a situation when you had to work in a team that did not get along
- Q 51.** Describe a time when, if it hadn't been for teamwork your goal might not have been completed
- Q 52.** Describe a situation when others in your team working on a project disagreed with your ideas
- Q 53.** Describe a situation when your work was not up to your supervisor's standards
- Q 54.** Tell me about a goal you set up, how did you reach it, what steps did you take and what problems did you encounter?
- Q 55.** Tell me about a goal you set up but could not reach. What alternate approaches did you try? How did it make you feel?
- Q 56.** How often do you set goals and revisit them?
- Q 57.** Tell me about a time you had to work with someone you do not get along with. What happened?
- Q 58.** Describe a situation when you had a conflict with another person. How did you deal with it? What was the outcome?
- Q 59.** Tell me about the most difficult customer service experience you have had. How did you handle it?
- Q 60.** Tell me about a time when you had to deal with a very upset customer or co-worker
- Q 61.** What have you done in the past to contribute to a teamwork environment?
- Q 62.** Describe a situation where you found yourself dealing with someone who doesn't like you
- Q 63.** Relate a personal story in which you persuaded someone to do something that was not appealing to him or her
- Q 64.** Narrate a situation at work that caused you a high level of stress
- Q 65.** Describe a project or goal that caused you a great deal of frustration
- Q 66.** Describe an instance when you had to think very quickly to get yourself out of trouble
- Q 67.** Narrate a situation when your integrity was challenged. How did you handle it?
- Q 68.** Tell me a time when you experienced a loss by doing something that was right. How did you feel?

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Wish you all the best!