

Interview Questions to Ask a Software Architect| Xobin [Downloaded]

We at Xobin reached out to over 70+ Hiring teams to curate the best interview questions. We didn't stop there.

We went ahead to understand what type of answers differentiated the top candidate from the rest. Here is what we've got for you.

Role-specific skills to look for: Knowledge of the software development process, architectural styles and design patterns, coding methods and computer languages, data modeling and database design, and SDLC processes

Soft skills to look for: organization, problem-solving, communication, critical thinking, and adaptability.

Pro Tip: Always screen before your interview. Use [Online Assessment to screen applicants for a Data Engineer position](#) before blocking your time for an in-person interview.

Compilation of Software Architect Questions

Role-Based Interview Questions to ask a Software Architect



Which programming languages are you proficient in, and what are your experiences with them?

Purpose of the question: This question can be asked to understand if the candidate has a diverse education and has sought to continue bettering themselves beyond the structure of a university curriculum.

What to listen for in candidate response: Look if the candidate has a diverse knowledge of programming language.



What is scalability?

Purpose of the question: Having knowledge of scalable architecture is crucial to this job since it is one of the basic concepts of software architecture.

What to listen for in candidate response: Listen for the specific terms which explain what is scalability.



What is the difference between object-oriented and component-based design?

Purpose of the question: This question is designed to understand the candidate's understanding of basic programming concepts, a software architect must be able to differentiate between object-oriented and component-based design.

Purpose of the question: Listen for the specific terms which differentiate between object-oriented and component-based design.



What are the differences between continuous integration, continuous delivery, and continuous deployment?

Purpose of the question: By asking this question the interviewer can assess the candidate's knowledge of DevOps.

What to listen for in candidate response: Listen for the specific terms that differentiate continuous integration, continuous delivery, and continuous deployment.



Are you familiar with the 12-factor App principles?

Purpose of the question: This question can be asked to evaluate a candidate based on their knowledge of software architecture methodologies.

What to listen for in candidate response: Top candidates would list out the best practices designed to enable applications to be built with portability and resilience when deployed to the web.



What database management systems have you worked with?

Purpose of the question: Since data modeling and database design are major technical requirements for this position, hence the applicant must have some hands-on experience working on database management systems

What to listen for in candidate response: An ideal candidate would share their experience with database management systems and where and how did they use them..



Which tools have you used to test code?

Purpose of the question: This question can be asked to know about the tools that the candidate has experience using and if they are the same as the ones used by your company.

What to listen for in candidate response: Top candidates would explain the reasons why they use the particular tool for testing code.



How do you choose between web applications and locally installed applications?

Purpose of the question: This question is designed to help the interviewers evaluate the candidate's ability to make important decisions based on the client's requirements.

What to listen for in candidate response: Top candidates would explain their method for applying client specifications and deciding on the solutions that best meet the client's needs to highlight their communication and analytical skills.



What do you know about SOLID?

Purpose of the question: As object-oriented design remains fundamental to modern software architecture, hence it is important the candidate understands the five concepts.

What to listen for in candidate response: An ideal candidate show understanding of the five core concepts and appreciation for the fundamentals of object-oriented design.



What is dependency injection and in which scenarios would you opt to use it?

Purpose of the question: This question is designed to let the candidate demonstrate what they know about dependency injection, as it allows the interviewer to understand if they understand SOLID and how to achieve goals in a real-world scenario.

What to listen for in candidate response: Top candidates would explain what is dependency injection and with the help of scenarios.

Situational Interview Questions to ask Software Architect



What is the most complex project you have worked on?

Purpose of the question: By asking this question the interviewer can test the candidate's technical analysis, problem-solving, and troubleshooting skills.

What to listen for in candidate response: Top candidates would explain what were the problems they faced and how did they overcome them.



What are the interpersonal skills you have gained from your previous job as a Software architect?

Purpose of the question: This question is designed to learn about what types of interpersonal traits a candidate has that could enhance their job capabilities at their company.

What to listen for in candidate response: Top candidates would show evidence of self-awareness, by discussing their previous experiences.



What is one of your proudest moments as a software architect so far?

Purpose of the question: This question is designed to understand and gain insight into how a candidate thinks and feels within the context of their field.

What to listen for in candidate response: Top candidates would describe what was achieved in the project and how does it stack up with what your company does.



What challenges do you face in any of your recent projects?

Purpose of the question: This question is designed to understand how the candidate applied their problem-solving and analytical skills to direct effective processes between the challenges.

What to listen for in candidate response: Top candidates would describe their experience with effective workflow, effective communication, and other roles.



What challenges are you looking for in this Software Architect position?

Purpose of the question: The question is designed to understand and determine what the candidates are looking for in their next job and whether they would be a good fit for the position being hired for.

What to listen for in candidate response: Top candidates would discuss how they would like to be able to effectively utilize their skills and experience if they were hired for the job.



Has there been any instance where a member of your disagreed with you?
How did you handle that?

Purpose of the question: This question is designed to understand how the candidate applied their teamwork and other skills to direct effective processes between the disagreements.

What to listen for in candidate response: Top candidates would describe their experience with effective workflow, effective communication, and other roles as a team player.



Why do you want to work for our company?

Purpose of the question: This question is designed to know what kind of information does the candidate has about your company culture and what has excited them to join your organization.

What to listen for in candidate response: Listen for the detail about what has driven the candidate to work for your organization.



What skills do you think are necessary for this job role?

Purpose of the question: Since software developers rely on a combination of technical knowledge and transferable skills to be successful. Therefore it is important for an applicant for this role to show the required skills.

What to listen for in candidate response: Look for evidence of the required skills for this job role.



What are your salary expectations?

Purpose of the question: This question helps in understanding what the market is currently paying for certain qualifications, experience, and skills.

What to listen for in candidate response: Top candidates would give the range of salary they expect.



Do you have any questions for us?

Purpose of the question: The question is designed to know how interested the candidates are in your company.

What to listen for in candidate response: Top candidates would ask questions and show interest in the job and company-related details.

Start Optimizing your Data Analyst Hiring today

Find and hire talent with confidence. If your candidate doesn't know the answer to the above questions and you're hiring for a Data Analyst position, then they're obviously not a great fit.



Prepared and Curated by Xobin Team