

## Mechanical Design Engineer Interview Questions

1. Give me an example of when you thought outside of the box. How did it help your employer?

2. Share an experience in which consulting with other workers helped you to improve a design or resolve a design problem.

3. Share an experience in which you successfully shared a difficult piece of information. (Make sure that the candidate has open lines of communication.)

4. Share an experience in which you oversaw the assembly, fabrication, construction, maintenance, or modification of equipment. How did you communicate to the staff what you wanted?

5. Share an experience when you applied new technology or information in your job. How did it help your company?

6. Share an example of a time you had to gather information from multiple sources. How did you determine which information was relevant?

7. Share an effective approach to working with a large amount of information/data. How has your approach affected your company?

8. Share an experience in which your attention to detail and thoroughness had an impact on your last company.

9. Tell me how you organize, plan, and prioritize your work.

10. Tell me about an experience in which you analyzed information and evaluated results to choose the best solution to a problem.

11. Share an example of when you went above and beyond the "call of duty". (Look for answers that show the candidate is dependable.)

12. Share an experience you had in dealing with a difficult person and how you handled the situation.

13. Provide an experience in which you designed blueprints of specialty items.

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14. Share an effective method you have used in drawing to depict functional relationships of components, assemblies, systems, and/or machines.

15. In your experience, what is the key to ensuring your company was compliant with all laws, regulations and standards that were applicable to your area of responsibility?

16. Provide an effective method you have used to assess factors affecting component designs and to determine procedures and instructions to be followed.

17. Share an experience in which your understanding of a current or upcoming problem helped your company to respond to the problem.

18. Provide an example when your ethics were tested.

19. Provide a time when you dealt calmly and effectively with a high-stress situation.

20. How do you balance cooperation with others and independent thinking? Share an example. (Try to determine if the candidate has a cooperative attitude or is otherwise good-natured.)

21. Share a time when you willingly took on additional responsibilities or challenges. How did you successfully meet all of the demands of these responsibilities? (Make sure the candidate is a self-starter and can demonstrate some initiative.)

22. Describe an effective modification you made to a design. How did you identify the need for modification?

23. Share an experience in which you successfully computed mathematical formulas to develop and/or design detailed specifications for a component or machinery.

24. Name a time when your creativity or alternative thinking solved a problem in your workplace.

25. Provide a time when you worked in a rapidly evolving workplace. How did you deal with the change? (Make sure the candidate is flexible.)

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26. Please share an experience in which you presented to a group. What was the situation and how did it go?

27. Provide an example of when you were persistent in the face of obstacles.

28. Name a time when you identified strengths and weaknesses of alternative solutions to problems. What was the impact?

29. Provide an example of a time when you were able to demonstrate excellent listening skills. What was the situation and outcome?

30. Name a time when your patience was tested. How did you keep your emotions in check?

31. Share an example of when you established and accomplished a goal that was personally challenging. What helped you succeed?

32. Provide a time when you were able to identify a complex problem, evaluate the options, and implement a solution. How did the solution benefit your employer?

33. Share an experience in which your willingness to lead or offer an opinion helped your company.

34. Share an experience in which you successfully conferred with a customer representative to answer a difficult question.

35. Share an effective method you have used to draw and reproduce sketches and blueprints.

36. Provide a time when you supervised and trained a staff. What methods made you successful?

37. What have you found to be the best way to monitor the performance of your work and/or the work of others? Share a time when you had to take corrective action.

38. Tell me about a time when you developed your own way of doing things or were self-motivated to finish an important task.

39. Describe an illustration you drew for a reference manual or technical publication which effectively

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described operation and/or maintenance of a mechanical system.

40. Provide an effective method you have used to shade and/or color drawings. How do you determine when a drawing needs to be shaded or colored?

41. Provide an experience in which you were sensitive to someone's needs or feelings. How did your helpfulness affect your work environment?

42. Share an experience in which your ability to consider the costs or benefits of a potential action helped you choose the most appropriate action.

43. Tell me about a time when your ability to analyze needs and product requirements helped you create an effective design or make an informed decision to benefit your company.

44. Share an experience in which you successfully coordinated with others. How about a coordination effort that was not as successful?

45. How would you rate your writing skills? (Ask for an example that demonstrates great writing skills.)

46. Provide an experience that demonstrates your ability to manage time effectively. What were the challenges and results?

47. Share an experience in which you conducted a test of a product, service, or process and successfully improved the quality or performance.

48. Share an experience in which personal connections to coworkers or others helped you to be successful in your work. (Make sure candidate works well with others.)

49. Please share an experience in which you successfully taught a difficult principle or concept. How were you able to be successful?

50. Share an experience in which your diligence of inspecting equipment, structures, or materials helped you identify a problem or the cause of a problem.

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51. Share an experience in which you used new training skills, ideas, or a method to adapt to a new situation or improve an ongoing one. (Look for the candidate's ability to learn.)

52. Would you consider analyzing data or information a strength? How so?

53. Tell me about the last time you monitored or reviewed information and detected a problem. How did you respond?

54. Provide an example when you were able to prevent a problem because you foresaw the reaction of another person.