

## Research Engineer Interview Questions

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

2. Describe an experience in which you conducted successful research on the engineering aspects of a biological system of humans or animals.

3. Name a time when your advice to management led to an improvement in your company or otherwise helped your employer.

4. Provide an example of when you set expectations and monitored the performance of subordinates. What guidance and direction did you find most effective?

5. Describe an experience in which you identified the educational needs of your students and successfully developed a way to teach/train them.

6. Provide an example of a time when you successfully organized a diverse group of people to accomplish a task.

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

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

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

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

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

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

13. In your experience, what is the key to ensuring your company was compliant with all laws, regulations and

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standards that were applicable to your area of responsibility?

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

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

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

17. 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.

18. 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?

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

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

21. Share a time when you successfully used scientific rules or methods to solve a problem at work.

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

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

24. Share an experience in which you effectively used principles of engineering and biobehavioral sciences to design a successful medical diagnostic or clinical instrument or equipment.

25. Tell me about technology you designed which effectively assisted people with a disability.

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26. What are some long-range objectives that you developed in your last job? What did you do to achieve them?

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

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

29. In your experience, what is the key to developing a good team? (Look for how they build mutual trust, respect, and cooperation.)

30. 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.

31. 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?

32. What is the most challenging part of budgeting for you?

33. Share an experience in which you were able to generate a new design or modify a current design to better serve the needs of your customers.

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

35. Provide an example when your ethics were tested.

36. Please share with me an example of how you helped coach or mentor someone. What improvements did you see in the person's knowledge or skills?

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

38. Share an experience in which you used new training skills, ideas, or a method to adapt to a new situation

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or improve an ongoing one. (Look for the candidate's ability to learn.)

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

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

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

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

43. 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.)

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

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

46. Tell me about some of your most recent computer programming projects.

47. Share an experience in which you successfully advised or assisted in the application of an instrument in a clinical environment.

48. Provide an example of a project you worked on that demonstrates your programming abilities. What was your role in the project?

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

50. Provide a new application you developed for an energy source. How did it benefit your company?

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51. Share an experience in which you successfully installed, adjusted, repaired, and/or provided technical support for biomedical equipment.

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

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

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

55. What is the state of your documentation of service histories of equipment? What is one thing you would like to improve?

56. Tell me about a time when you successfully determined the cause of an operating error at your company and solved the problem.

57. Provide an effective method you have used to evaluate the safety, efficiency, and effectiveness of biomedical equipment.

58. Share an experience in which you accurately forecasted likely outcomes of a new medical procedure.

59. 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.)

60. Describe a time when you successfully persuaded another person to change his/her way of thinking or behavior.

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

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

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63. Tell me about a training you successfully conducted on the proper use of equipment. What methods made your training successful?

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

65. What factors do you consider when researching new materials to be used for products? Share an experience.

66. Tell me about your last experience recruiting, interviewing, or hiring an employee. What techniques did you find most effective in finding the right person for the job?

67. Tell me about the last time you oversaw the work of someone else. How did you effectively motivate, develop, and direct the worker(s)?

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

69. Share an effective method you have used to teach biomedical engineering and disseminate knowledge about the field.

70. Describe an experience in which your ability to work well with others and reconcile differences helped your company or employer. (Make sure the candidate knows how to negotiate.)

71. Describe an effective adaption you made to computer hardware or software for medical science use.

72. Provide an experience in which your ability to actively find ways to help people improved your company or your own work ethic.

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

74. Describe an effective model you developed of a human biobehavioral system.

75. Provide an experience in which you successfully diagnosed or interpreted bioelectric data, using signal

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processing techniques.

76. Share an experience in which you wrote a document which effectively described protocols, policies, standards for use, maintenance, or repair of equipment.

77. Tell me about a time when you successfully managed a team of engineers. What methods made you successful?

78. Share an experience in which you successfully installed a difficult piece of equipment. What made the situation so difficult?

79. Share an experience in which you've successfully learned how to handle a new piece of equipment?

80. Describe a time when you were able to select the best tool to do a job. How did you use reasoning skills to make the best choice?

81. Tell me about your last experience doing repair work. How did you determine what tools you needed?

82. Tell me about the last time you performed routine maintenance on equipment. How did you determine when and what type of work was needed?

83. 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.)