

Solar Engineer Interview Questions

1. Share an experience you had in dealing with a difficult person and how you handled the situation.
2. Share an experience in which preparing a drawing, specifications, or topographical map helped you to effectively ensure that installation and operations conformed to standards or customer requirements.
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. Tell me how you organize, plan, and prioritize your work.
6. Share an experience when you applied new technology or information in your job. How did it help your company?
7. Give me an example of when you thought outside of the box. How did it help your employer?
8. Tell me about an experience in which you analyzed information and evaluated results to choose the best solution to a problem.
9. Would you consider analyzing data or information a strength? How so?
10. 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?
11. Share an effective approach to working with a large amount of information/data. How has your approach affected your company?
12. Share an example of a time you had to gather information from multiple sources. How did you determine which information was relevant?
13. Name a time when you identified strengths and weaknesses of alternative solutions to problems. What was the impact?

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14. How would you rate your writing skills? (Ask for an example that demonstrates great writing skills.)
15. Provide an example of a time when you were able to demonstrate excellent listening skills. What was the situation and outcome?
16. Share an experience in which your diligence of inspecting equipment, structures, or materials helped you identify a problem or the cause of a problem.
17. Tell me about the last time you monitored or reviewed information and detected a problem. How did you respond?
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. Provide an example of a time when you successfully organized a diverse group of people to accomplish a task.
20. Share an experience in which your attention to detail and thoroughness had an impact on your last company.
21. Share an example of when you went above and beyond the "call of duty". (Look for answers that show the candidate is dependable.)
22. Provide an example of when you were persistent in the face of obstacles.
23. Describe an effective layout for an electric power generating plant or distribution line which you planned.
24. Provide an example when your ethics were tested.
25. 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.)

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26. 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.)
27. Please share an experience in which you presented to a group. What was the situation and how did it go?
28. What are some long-range objectives that you developed in your last job? What did you do to achieve them?
29. Provide a time when you worked in a rapidly evolving workplace. How did you deal with the change? (Make sure the candidate is flexible.)
30. Describe a time when you successfully serviced, repaired, calibrated, or tested a device that operates mainly by electronic principles.
31. 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.
32. Tell me about a time when you developed your own way of doing things or were self-motivated to finish an important task.
33. Provide a time when you dealt calmly and effectively with a high-stress situation.
34. Describe software or equipment you designed which effectively performed an engineering task. How did it benefit your company?
35. Name a time when your advice to management led to an improvement in your company or otherwise helped your employer.
36. Share an experience in which your willingness to lead or offer an opinion helped your company.
37. Share an example of when you established and accomplished a goal that was personally challenging. What helped you succeed?
38. Provide an experience that demonstrates your ability to manage time effectively. What were the challenges

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and results?

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

40. Share an experience in which conferring with others has helped you in your work.

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

42. Share an effective method you have used to ensure conformance to design and equipment specifications and compliance to standards.

43. Provide an effective method you have used in coordinating activities (e.g. maintenance or testing) to ensure that they comply with specifications, codes, and/or customer requirements.

44. Share an experience in which your performance of detailed calculations helped you to accurately compute or establish manufacturing, construction, or installation standards or specifications.

45. Describe effective specifications you prepared for the purchase of materials or equipment. How about specifications that were not as effective?

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

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

48. Share an effective method you have used to assure that projects are completed on time and within budget.

49. Describe an experience in which you resolved a difficult customer complaint.

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

51. Tell me about a time when your ability to analyze needs and product requirements helped you create an

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effective design or make an informed decision to benefit your company.

52. Describe an effective research procedure you planned and/or implemented to apply principles of electrical theory to engineering projects.

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

54. What factors do you consider when developing a budget? Share an experience.

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

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

57. 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.)

58. What is the state of your reports regarding electrical engineering studies or projects? What is one thing you would like improve in your reports?

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

60. Provide a time when you successfully supervised and/or trained project team members.

61. Describe an effective capital project program for new equipment or a major repair which you developed.

62. Provide an experience in which you successfully corrected a power system problem. How did you identify the problem?

63. Share an experience in which investigating a vendor's or competitor's product helped you in your work.

64. Provide an effective method you have used to collect data to accurately determine the operating efficiency

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of electrical systems.

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

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

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

69. Share an experience in which you successfully integrated an electrical system with renewable energy systems. How did it improve efficiency?

70. Tell me about a system you developed which effectively produced electricity using a renewable energy source.

71. Describe an electrical system you designed which effectively minimized electric energy requirements.

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

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

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

75. 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.)

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

77. 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?