

1. Which of the following is most necessary for a software engineer?

1 / 1 point

- ☐ An advanced degree
- ☐ Client service skills
- ☐ Domain-specific knowledge
- ☒ Communication and presentation skills

✓ **Correct**

Correct. Software engineers need to be able to communicate with teams and convey plans to stakeholders.

2. What is a characteristic function that software engineers do?

1 / 1 point

- ☐ Translate business needs into software requirements.
- ☒ Design each piece of an application or system, and plan how the pieces will work together.
- ☐ Write help files and software documentation.
- ☐ Extract and organize data from different sources, clean and prepare it, and then store and manage it in data repositories.

✓ **Correct**

Correct. Software engineers design and create systems and networks as well as individual applications.

3. What technological advancement has had a particular impact on demand for software engineers recently?

1 / 1 point

- ☐ Smart-home devices
- ☐ Automation of manufacturing
- ☐ Online shopping
- ☒ Cloud computing

✓ **Correct**

Correct. As more companies move to cloud services, the demand for new software that fits the new paradigm is also growing.

4. In what field(s) do software engineers commonly work?

1 / 1 point

- ☐ Academia
- ☐ Mathematics and statistics
- ☒ Many different fields
- ☐ Technology

✓ **Correct**

Correct. Software engineering is used in many industries for many purposes, so the opportunities are broad ranging.

5. What is a good source of portfolio content?

1 / 1 point

- ☐ Unfinished projects
- ☐ Examples found online
- ☒ Freelance work
- ☐ Work for previous employers covered by an NDA

✓ **Correct**

Correct. Many people work as freelancers to gain experience, and if you have permission, you can include freelance work as part of your portfolio.

6. What is a good way to decide which skills to highlight in your portfolio?

1 / 1 point

- ☐ Asking friends
- ☐ Using a template
- ☒ Reading job listings
- ☐ Including everything you've worked on

✓ **Correct**

Correct: To build a portfolio for the job you want, start by understanding which skills you will need to demonstrate by studying current job listings.

7. If you decide to build a new project to include in your portfolio, what is good advice?

1 / 1 point

- ☐ Use whatever ideas come to mind since almost anything you work on will be interesting.
- ☐ Real-world data sets are messy – it's best to avoid them for good results.
- ☐ Don't visit data science communities; you don't want to accidentally plagiarize an idea.
- ☒ Use GitHub to host your projects.

✓ **Correct**

Correct. GitHub is accessible and familiar to most professionals in technical fields.

8. Should you include hobbies and interests on your resume?

1 / 1 point

- ☐ No, never.
- ☒ Only if you have limited experience or skills relevant to the job.
- ☐ Some are okay – it helps potential employers know you better.
- ☐ Always, to provide a more well-rounded view of a potential candidate.

✓ **Correct**

Correct. Hobbies can help flesh out your skills if they are not strong but can be distracting if they're unrelated to the job.

9. What is usually the largest part of your resume?

1 / 1 point

- ☒ Work experience
- ☐ Skill summary
- ☐ Contact information
- ☐ Education

✓ **Correct**

Correct. The work experience section is usually the largest part of your resume.

10. What is a good way to make your resume work well with search engine optimization (SEO) and applicant tracking system (ATS) software?

1 / 1 point

- ☐ Add large image files.
- ☐ Use very specialized vocabulary and jargon.
- ☒ Add alt-text to every image, photo, and graphic you use.
- ☐ Use and repeat as many keywords as possible.

✓ **Correct**

Correct. Users and website visitors who are visually impaired rely on alt-text and screen readers to understand graphic content, and this also adds keywords.