Key Skills Required (for a Software Engineer):

1. **Programming Languages:** Strong proficiency in at least one or more common languages (e.g., Python, Java, C#, JavaScript, C++).
2. **Data Structures & Algorithms:** Foundational knowledge for efficient problem-solving.
3. **Software Design Principles:** Understanding of OOP, SOLID principles, design patterns, and modular architecture.
4. **Version Control:** Expertise with Git and platforms like GitHub/GitLab.
5. **Testing:** Unit testing, integration testing, and potentially end-to-end testing (e.g., Selenium, Cypress).
6. **CI/CD:** Experience with continuous integration and continuous deployment pipelines (e.g., Jenkins, GitHub Actions, Docker).
7. **Database Management:** Proficiency with relational databases (e.g., MySQL, PostgreSQL) and SQL.
8. **Web Technologies (Full-Stack Focus):**
   * **Front-end:** Frameworks/libraries like React, Angular, Vue.js.
   * **Back-end:** Frameworks/runtimes like Node.js (Express), Spring Boot (Java), ASP.NET Core (C#), Django/Flask (Python).
   * **APIs:** Designing and consuming RESTful APIs.
9. **Cloud Platforms:** Familiarity with or experience using services from AWS, Azure, or Google Cloud Platform (increasingly important).
10. **Problem-Solving & Debugging:** Ability to analyze complex problems, design solutions, and debug code effectively.
11. **Agile Methodologies:** Experience working in Agile/Scrum environments.
12. **Containerization:** Docker for application deployment.

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