

## Software Engineer Spec

1) What is the Expectation from a software developer?

Ans: Analytical skills (Thought Process of solving a problem)

Coding Skills (coding multiple implementations)

Technical Skills (Clear understanding why, where, what & How questions of technical concepts)

Communication Skills (clear communication which is understandable (oral & written))

2) Coding Skills :

Readability : how clear the code is for reading

Time-Complexity : How much time does the code takes to complete execution

Space-Complexity : How much space does the code takes while executing

3) Data Structures + Algorithms

4) Cloud Services : IASS PASS SASS

Operation-Excellence

Security

Reliability

Performance-Efficiency

Cost-optimization

5) Back End Language : Java, Spring, SpringBoot

6) Devops: Linux, CI-CD, Docker, Kubernetes, Cloud

7) Front End: JavaScript, Angular/React

8) Developer Tools: IDE Git Maven/Gradle Postman Source Tree SonarQube Putty debugging etc

9) Common Codes: Exceptional Handling , Swagger, logging, validations, authentication & Authorization