

Chess Technical Assessment

Software Developer

Please provide your answers, clearly numbered, on a separate document. There is no time limit for this test.

1. Describe Agile software development in your own words.
2. What do you think are the most important aspects to pay attention to when reviewing another team member's code?
3. Using any language, write a function to compute the Nth Fibonacci number. You can either write the code in your document, or provide a link to your solution on GitHub.
4. Explain the difference between a mutex and a semaphore.
5. Explain a ternary tree.
6. Explain the difference between an array and a linked list.
7. Explain the bitwise AND operator.
8. Explain CI/CD and their value.
9. What are the HTTP methods supported by REST?
10. Describe one of your personal development projects.
11. How many windows are there in New York City? For the purposes of this question, please only include buildings, not vehicles or any other places where windows can be found, such as zoo enclosures.