

I'm not a bot







## Software engineer test

Employers rely on talented software engineers to support internal production and improve end-user experiences. In fact, software engineers are responsible for many important tasks from day to day. For example, they create, maintain, and audit systems to ensure they work optimally, meet organizational demands, and design tests for systems to find their faults. The average software developer/engineer also writes a lot of code in languages such as Python, JavaScript, Java, C# (C Sharp), C, C++, and Go. By hiring top talent through software engineer testing, development teams find it easier to: Design high-quality custom programs to fit customer needs Boost in-house productivity Ensure they meet compliance demands Keep employees and users safe and secure Fix technical problems efficiently Keep production flowing so deadlines are met Maintain stakeholder confidence What's more, software engineers are often agile and receptive to changing projects and learning new skills and coding languages. Software engineering testing: 4 competencies to look for Our Software Development Engineer test measures competency in the following areas: Linear data structures: Does the candidate understand how structures in a linear setup work together and how to optimize them? Non-linear data structures: Can the applicant read and manipulate unorganized structures such as trees, hashmaps, and graphs? Algorithm analysis: Can the candidate read and understand typical software algorithms and carefully analyze them to solve problems? Computer science fundamentals: Does your applicant understand basic programming languages, statistical modeling, and how to manipulate different data structures? TestDome skill assessments are used by more than 11,000 companies and 1,030,000 test takers. Practice your skills and earn a certificate of achievement when you score in the top 25%. Take a Practice Test Test candidates with real-world problems and interview the best ones. Sign Up to Offer this Test The Software Engineering online test assesses knowledge of software development and engineering concepts, principles, and best practices through a series of multiple-choice and fill-in-the-blank questions. The assessment includes work-sample tasks such as: Creating RESTful APIs. Using OOP principles and OOP design patterns to write reusable code. Selecting an appropriate solution and software architecture to satisfy specific business needs. A good software engineer needs a solid understanding of how software systems work together, how to optimize them, and how to design systems to avoid potential issues. A large library uses a REST API which integrates with its web page and mobile app. The following graph contains the frequency of various HTTP status codes for the REST API. What can be concluded from this? You are working on multilayer architecture for a new website for the largest news portal in your area. Your colleague has already prepared layers. Your task is to choose the best option for each layer from the available technologies and programming languages your team knows. Layer Available Technology or Programming Language Presentation Layer \_\_\_ Business Logic Layer \_\_\_ Data Access Layer \_\_\_ Database Layer \_\_\_ For the following pseudocode functions, choose the big O notation that accurately describes its worst-case complexity. In a language that supports the OOP paradigm, we have the following code that serializes the content of a shopping cart to JSON format: class ShoppingCart private content : Dictionary public function serialize() : String return new JsonSerializer().serialize(content.clone()) end function end class class JsonSerializer public function serialize(value : Dictionary) : String // Code that serializes dictionary to JSON format and returns it as string end function end class A client wants to allow loosely coupled plugins to be able to serialize the shopping cart content to their own formats (e.g., XML). Select lines of code that, together, would extend the code above to allow this. You are searching for a web service that could be used to get the expected search volume of keywords for an online advertising platform. Before choosing the web service, your team wants to split web services into different categories. Some web services lack proper documentation. Which documentation looks like it's describing RESTful APIs and which looks like it's describing SOAP-based web services? Looks like? Documentation that describes getting the search volume of a keyword \_\_\_ Response: { "keyword": "rio de janeiro hotels", "volume": 10000 } \_\_\_ POST Envelope body: