

Email Interview Form

Thank you for taking the time to answer these questions. Our team looks forward to talking with you in more detail about career opportunities with Microsoft.

(Please bold your answers)

Administrative Questions

Name:

Date completed:

Best phone number(s) to reach you for your phone interview:

How open are you to relocation to Redmond?

Are you a US citizen or national; permanent resident; applicant for legalization or amnesty, asylee (a person granted asylum); or refugee? If not, are you currently on a Visa – type/time?

Have you previously worked for Microsoft? If so, please list your most recent managers?

Have you ever spoken with a Microsoft recruiter? If yes, who and when?

Have you previously interviewed for positions with Microsoft? If so, when and what were the results?

Is there anyone you know at Microsoft who can provide a reference for you?

Have you signed a non-compete or non-disclosure agreement which may prevent you from pursuing opportunities at Microsoft?

This position requires the successful completion of a background check. Any adverse information that you disclose or that is discovered will not necessarily disqualify you from employment. Are you willing to authorize this process should it be required?

Current Interests

Why are you considering new career opportunities at this time? Do you have any offers outstanding?

As you look ahead to potential career opportunities, what are the “must have” criteria that you will be using to determine which opportunity is the right one for you?

Software Design Engineer in Test Questions

What is your strongest programming language (C, C++, C#, VB, Java, ASP, HTML, etc...)?

When was the last time you wrote C/C++ code?

What percentage of your time do you spend writing code?

Do you have experience with multi-threaded programming? If so please explain.

How much experience do you have performing code and design reviews? I have done it in the past.

What percentage of code have you written was kernel mode and what percentage was user mode? All my code was in the user mode.

Please comment on your experience level and discuss projects worked on in the following areas as it relates to Test (if applicable):

- Performance
- Scalability
- Stress Testing
- End to End testing
- Simulation
- Tuning
- System Integration

Please respond to the below as it relates to your current project/product:

What percentage of your current project did you own?

What percentage was of your design? How much was new code and how much was enhancements?

What layer are you working on? (kernel, middleware, UI)

What percent of coding was yours on the project?

How would you characterize your philosophy toward testing?

How do you test your code? Someone else's?

Coding Questions

Please complete each question and indicate how long each question took you to complete.

1. Given a singly linked list of integers, write a function to remove all nodes with even values, and then provide a set of test cases against that function.
2. Write me a function that receives three integer inputs for the lengths of the sides of a triangle and returns one of four values to determine the triangle type (1=scalene, 2=isosceles, 3=equilateral, 4=error). Generate test cases for the function assuming another developer coded the function
3. Implement a circular queue of integers of user-specified size using a simple array. Provide routines to initialize(), enqueue() and dequeue() the queue. Make it thread safe.