

Manufacturing Engineer (17046)

Responsibilities:

- Execute test plans and/or test cases for specific automated test programs.
- Perform repeatable testing procedures and processes.
- Verify triggers, referential integrity, and hardware product or system specifications.
- Interpret code as required that may include C#, C/C++, batch files, Perl scripts.

Typical task breakdown and rhythm:

- Will be given software drops by developers.
- Run the software on the hardware and analyze results.
- Publishing reports.
- Debugging hardware and software – finding resolution.
- Analyzing results.
- Intuitive process – what if parameters are changed in hardware/software will the results change
- Example: Measuring a display – if error is displayed - debugging (what exactly is causing error - actionable bugs).
- Most of the day will be spent analyzing things, only a small portion of this role will be “What If” Testing.

Qualifications and skills:

- 2-5 years of QA Experience – including debugging of hardware and software.
- Need to come from a Hardware background, with testing hardware.
- Requires application level configuration skills.
- Familiarity with C# - need to be able to review code and understand how to interpret C# coding.
- Have a good problem solving approach.
- Ability to identify issues and find resolution.
- Ability to deal with ambiguity.
- Complete the Code Test below and return with your resume.

Best vs. average:

- Excellent communication skills.
- Debugging.
- Ability to work as team as well as independently.
- Agile.
- Ability to logically think through a problem.
- Flexible.
- Electrical Electronics Engineering experience.

CODE TEST: Complete and return with your resume to careers@axelerate.com

```
using System;

class Program
{
    static string function(string inputvalue)
    {
        char myarray = value.ToCharArray();
        if (myarray.Length >= 1)
        {
            if (IsLower(myarray[0]))
            {
                myarray[0] = char.ToUpper(myarray[0])
            }
        }

        for (i = 1; i < myarray.Length; i++)
        {
            if (myarray[i] == ' ')
            {
                if (char.IsLower(myarray[i]))
                {
                    myarray[i] = char.ToUpper(myarray[i]);
                }
            }
        }

        return string(myarray);
    }

    static void Main()
    {
        Console.WriteLine(function(inputstring))
    }
}
```

In the above code example please identify

- a. What does the function do?
- b. There are syntax errors in the code, what are the errors? Fix the errors.
- c. Write some sample tests of how you would test the function.

Please note: we are unable to consider third party candidates for this position.

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