Agile Test Engineer (QA)

TribalScale

Hi \_\_\_\_\_\_\_\_\_,

Thank you for applying to TribalScale! Before we move onto the next steps, we’d like you to complete a short assignment as part of our interview process. This assignment is designed to gauge your skills and give us an idea of how you approach tasks relevant to the role.

The first exercise is intended to assess your written communication skills. Let’s say the engineering team is developing [this](https://qainterview.pythonanywhere.com/) simple web application that calculates the factorial of a number. In mathematics, the factorial of a positive integer *n*, denoted by *n!*, is the product of all positive integers less than or equal to *n*. For example,  
  
 6! = 6 x 5 x 4 x 3 x 2 x 1 = 720

As a member of the software quality assurance team, you need to assess the application’s overall quality, and share any software bugs you can find with the project’s stakeholders. What’s wrong with the behaviour of the factorial calculator? **Compose two bug reports.** Include as much information as you deem necessary to be present in a bug report.

The second exercise is intended to assess your coding and automated testing skills. As the application undergoes continuous development, you’ve found that you’re manually repeating a lot of the same test cases as part of your smoke test suite, and decide it’s time to begin automating some of them to save your team time and effort in the long run. Using the same web application from the first exercise, **write two automated UI tests using any framework and language of your choice**. Bonus points if you can write your tests for a browser on a mobile device (iOS or Android) using Appium, in Python or Java. **Explain why you chose these two test cases to automate.**

You may submit your assignment by sharing a link to a GitHub repo (or if you wish to share a private repo, you may do so and add [srajguru@tribalscale.com](mailto:srajguru@tribalscale.com) as a collaborator) with your responses, please complete and send back the assignment as soon as possible. Please feel free to reach out to us if you have any questions!

All the best,  
Roisin Flood