Software Engineer

Home Coding Test

WITH secure

The Challenge

The attached text file contains an 'event' - data which is stored in a key-value format with the following rules:

- Key names are separated from values using a colon and space, e.g. key: "value"
- All values are enclosed in double quotes
- Any double quotes within values are escaped using backslashes

Part A

Write code which takes this data and transforms it into JSON, preserving the key-value relationships from the original event. We expect the code to be written in Python, but will accept submissions written in your language of choice.

Part B

One of the key/value pairs contains a challenge. Solve this challenge and then extend your code so that it can write out another event which is the same as the original, but includes the correct fifth integer value in a manner consistent with the original four. Include comments in your code explaining how you solved the challenge.

We do not expect you to spend more than 3 hours on this. Please ensure you send the task back within a working day for the hiring manager to evaluate.

After completion, please hand-in your submission via a link to a Github repository you have created for this challenge (other services such as Gitlab and Bitbucket are also acceptable so long as we can access your submission).

Remember that this is just to assess your problem-solving skills and not to catch you out. Please take your time and if you have any issues please do not hesitate to email us