Assignment - Validation and Monitoring

The problem

At TaxFix, the data revolves all around events that a user triggers on the mobile or web applications. Often it is required to validate the events data that is produced by these applications. For example: Am I receiving the data as I expect? How much data am I receiving per day?

Your challenge

Objective 1: Create a schema validator
1. Define a schema based on *input.json* file attached
2. Implement a schema validator
3. In case of errors (wrong data type, missing field, etc.), the validator should log them and continue to next line of data

Objective 2: Generate a report with count of each "event" in the file
1. Report should have these columns: name of event, date, count of events on that date
2. Assume that the input.json file *cannot* be loaded into memory all at once

Submitting your solution
- Implement your solution as a Python (python3) project
- Submit your solution as a git repository (Github or Gitlab)
- (Optional) Containerize your solution using Docker, so that we are able to run it more easily

Time Advice
Don't spend more than 3-4 hours on implementing this. If the schema validator is not working or some other problems arise, just do something else interesting.