Backend Test Challenge

Task

For this task, imagine you are a part of the team that performs quality assurance for a user blog, the frontend design is not yet developed, but the APIs have already been published here: https://jsonplaceholder.typicode.com/. You can help the developers on your team make the feature more robust, by helping them write tests for some workflows that they might break while making progress with developing business logic.

The task is to perform the validations for the comments for the post made by a specific user named "**Samantha**" using the tools specified

- Search for the user.
- Use the details fetched to make a search for the posts written by the user.
- For each post, fetch the comments and validate if the emails in the comment section are in the proper format.
- Think of various scenarios for the test workflow, all the things that can go wrong.
- Upload your test to Github
- Execute the tests successfully on Circle CI.

Tools:

Java + JUnit/TestNG + Maven/Gradle, and a library of your choice for the testing and validation of REST APIs. However, we recommend using **RestAssured**.

Expectations

- Granular commits – we want to see your thinking process.
- Following best coding practices (SOLID, DRY, KISS, leverage OOP principles).
- Clear, maintainable code.
- Leverage design patterns.
- Execution in CI environments, CircleCi