

Full Stack Engineer Coding Test

The objective is to scrape a website for information, store it in a database, and provide a web interface to that data via a REST interface.

1. Create a Python script that:
 - a. Takes one or more GitHub usernames
 - b. Gets a list of the public repositories for that user.
 - c. Store the username and names of the repositories in a database
2. Create a REST server to allow access of the data in the database
 - a. Priority/Preference would be for this to also be in Python
 - b. It should follow current best practices in API (Application Programming Interface) design
3. Create an appealing single page application that allows retrieving the information via calls to the REST server
 - a. Priority would me for this to use React, but other modern and commonly used JavaScript frameworks could be used
 - b. At a minimum, the UI should allow selection of a GitHub username in the database and display the public repositories for that username
 - c. It should dynamically load information as needed and only keep data that is being displayed

The expectation is these 'requirements' are just a starting point and that you will expand the capabilities as much as you have time for and be prepared to discuss your thought process and how you might extend the project in the future

Please make a git repository with your solution available at least two business days before the interview, so we have time to review it.