ListJob Project

Monday, January 18, 2021 11:39 PM

Problem Definition:

Write a program to extract the skill sets and corresponding jobs with that skill set in listed

The skill set you are looking for is "engineering and technology"

Output: list of all the jobs that have this skill in the job requirement

For this exercise use the public api: http://api.dataatwork.org/v1/

The api is explained here https://github.com/workforce-data-initiative/skills-api/wiki/API-Overview

Make use of the skills api https://github.com/workforce-data-initiative/skills-api/wiki/API-Overview#4- skill-name-autocomplete

Then make use of the related job skills api https://github.com/workforce-data-initiative/skillsapi/wiki/API-Overview#9-get-associated-jobs-for-a-skill

Explore the api and try it out here http://api.dataatwork.org/v1/spec/

****Bonus: Create an array of all the jobs with the skill and push the payload to a requestbin (http://requestbin.net/).

Git URL: https://github.com/KrithiSri-Git/Python Projects

Script Name: getjoblistenggtech.py

Script extracts the job list using api into an array based on the skill 'engineering and technology' and posts the result

to requestbin.

Approach taken to solve the problem

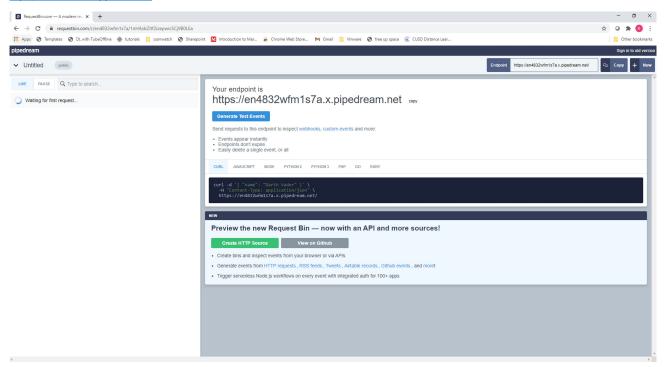
- Analyze the data set and API capabilities
- 2 GET Skills with the s $\underline{\text{kill name}}: \underline{\text{'en}} \text{gineering and technology'} \text{ using the GET API Call}$
- Use data dictionary dict_skillsfilter to store the results and print the output
- 4. For Each skill record having 'engineering and technology'
 - a. From the JSON response identify the UUID for the 'engineering and technology' skill set
 - b. Use the UUID to get $\underline{\text{the related}}\,$ jobs using the GET API call
 - c. Use data dictionary dict_joblist to store the results and print the output
 - d. Parse through the data and collect the 'job titles' into an array arry_joblist)
- Print the job list in the array (arry_joblist)
 Construct the POST message with the array data and post the result to requestbin

Output Snapshot

```
▶ # G G -
getjoblisten
getskills2.py
       obmixengeen.
//WSPF%KNTINIga_s\PycnarmProjects\pytnonProject\yenv\scripts\pytnon.exe" "L:\users\kritniga_s\PycnarmProjects\pytnonProject\getjobilstenggtecn.py"
             "suggestion": "engineering and technology",
"normalized_skill_name": "engineering and technology"
    .
UUID for 'engineering and technology': c09c8f8c163907ac25a37c3dd591ba2e
Number of Jobs posted : 954
     ['Computer Hardware Engineers', 'Electronics Engineers, Except Computer', 'Automotive Engineers', 'Aerospace Engineering and Operations Technicians', 'Mechanical Engineers', 'Chemical Engineers', 'Architectural and Engineering
```

Request Bin

https://en4832wfm1s7a.x.pipedream.net/



Output posted to requestbin

