How to Get Data

In the coming future data will increasingly be shared using Application Programming Interfaces (APIs).

An API is hosted on the public internet or a private network. APIs provide anytime access to the latest data.

Your assignment is to get the number of job openings using the GitHub Jobs API for technologies like:

- Java
- Python
- MySQL
- C++
- C#

GitHub Jobs API allows anyone to query for the jobs based upon:

- Technology like Python, MySQL
- City like New York, Bangalore

Here are the technical details to access the API.

The GitHub Jobs API allows you to search, and view jobs with JSON over HTTP.

To get the JSON representation of any search result or job listing, append .json to the URL you'd use on the HTML GitHub Jobs site.

For example, below url will search for Python jobs near New York:

https://jobs.github.com/positions?description=python&location=new+york

To get the JSON representation of those jobs, just use positions.json:

https://jobs.github.com/positions.json?description=python&location=new+york

Pagination

The API also supports pagination. /positions.json, for example, will only return 50 positions at a time. You can paginate results by adding a page parameter to your queries.

Pagination starts by default at 0.

Examples

https://jobs.github.com/positions.json?description=ruby&page=1

https://jobs.github.com/positions.json?page=1&search=code

GET /positions.json

Search for jobs by term, location, full time vs part time, or any combination of the three. All parameters are optional.

Parameters

- description — A search term, such as "ruby" or "java". This parameter is aliased to search.
- location — A city name, zip code, or other location search term.
- lat — A specific latitude. If used, you must also send long and must not send location.
- long — A specific longitude. If used, you must also send lat and must not send location.
- full_time — If you want to limit results to full time positions set this parameter to 'true'.

Examples

https://jobs.github.com/positions.json?description=python&full_time=true&location=sf

https://jobs.github.com/positions.json?search=node

https://jobs.github.com/positions.json?lat=37.3229978&long=-122.0321823

GET /positions/ID.json

Retrieve the JSON representation of a single job posting.

Parameters

markdown — Set to 'true' to get the description and how_to_apply fields as Markdown.

Examples

https://jobs.github.com/positions/21516.json

https://jobs.github.com/positions/21516.json?markdown=true