

API Integration Report

Usage of the SerpAPI wrapper
around the Google Jobs API in the
TRKR app.

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What is TRKR?

TRKR is a job application organization tool.

Developed as part of a month-long product club, TRKR is a web-based app focused on streamlining the job search experience and providing a tracking log interface by which to organize and monitor pending applications.



Understanding the Problem:

Insights from the UX Team

UX found many users felt a need to use multiple job-seeking platforms to find and apply for jobs.

This complicates their process, creating a need for multiple external accounts, and creates the risk for repeated application to the same job position through different platform access points.

The Solution:

Integrate Google Jobs API within the local job search interface.

The SerpAPI wrapper provided methods for querying the Google Jobs API and, when combined with a call to the Google Jobs Listing API, returned job search results along with all associated url access points for direct external job application submission (ie Glassdoor, Indeed, etc).

The SerpAPI can be accessed using multiple programming languages including python and javascript.

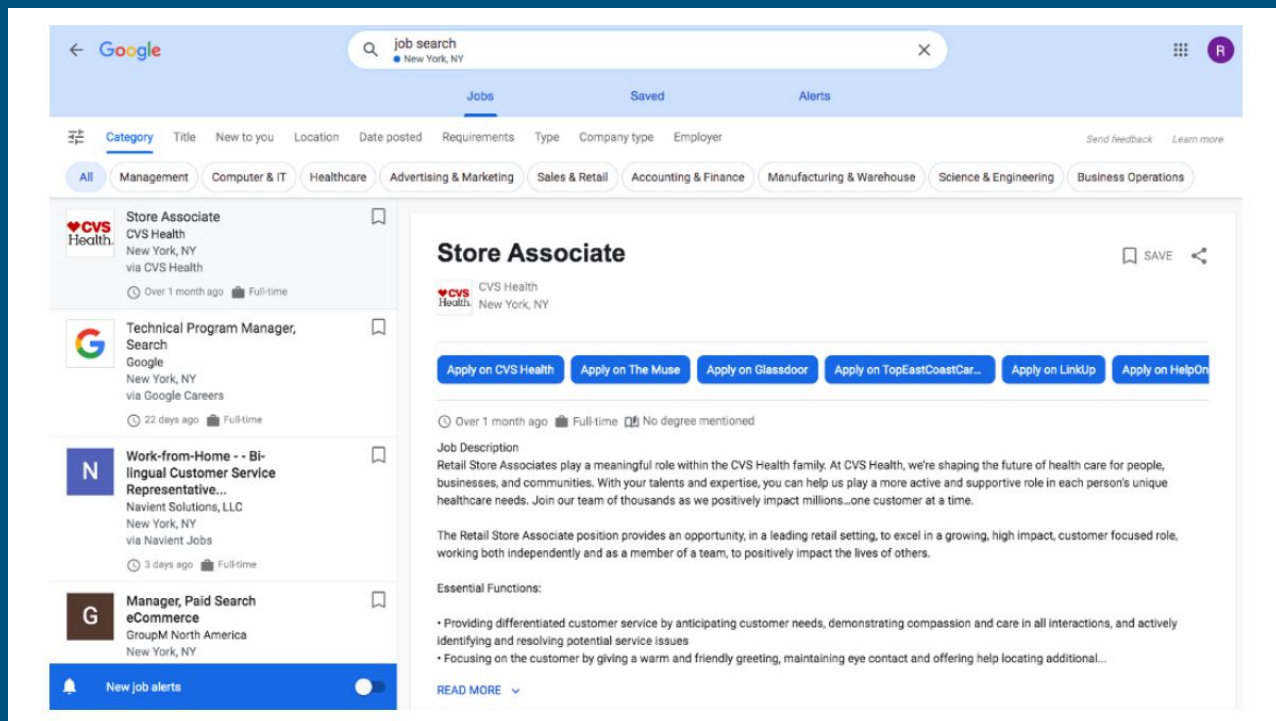
This gives the user more control over how many additional platforms they choose to sign up for, and streamlines their application process.

Outlining TRKR feature goals:

A look at the existing Google Jobs interface.

Step 1

Understanding desirable user features through existing product research.

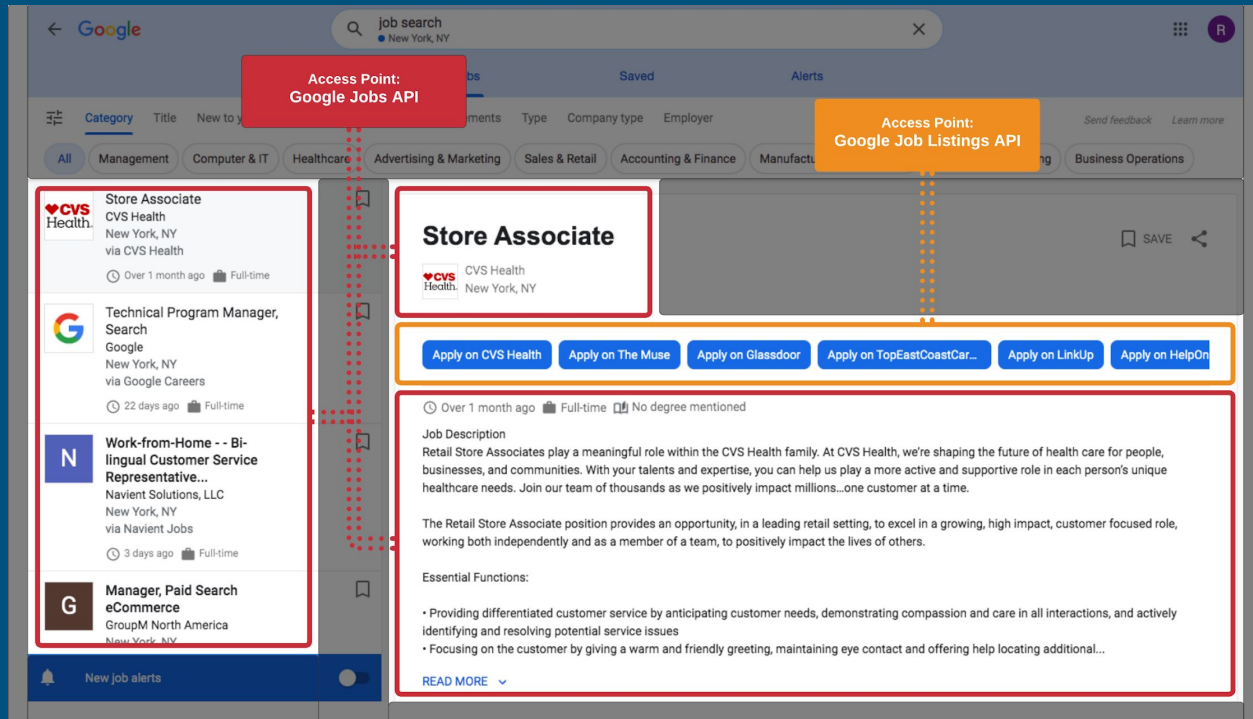


Outlining TRKR feature goals:

Isolating accessible features and their related APIs.

Step 2

Identifying which APIs can access the relevant data points.

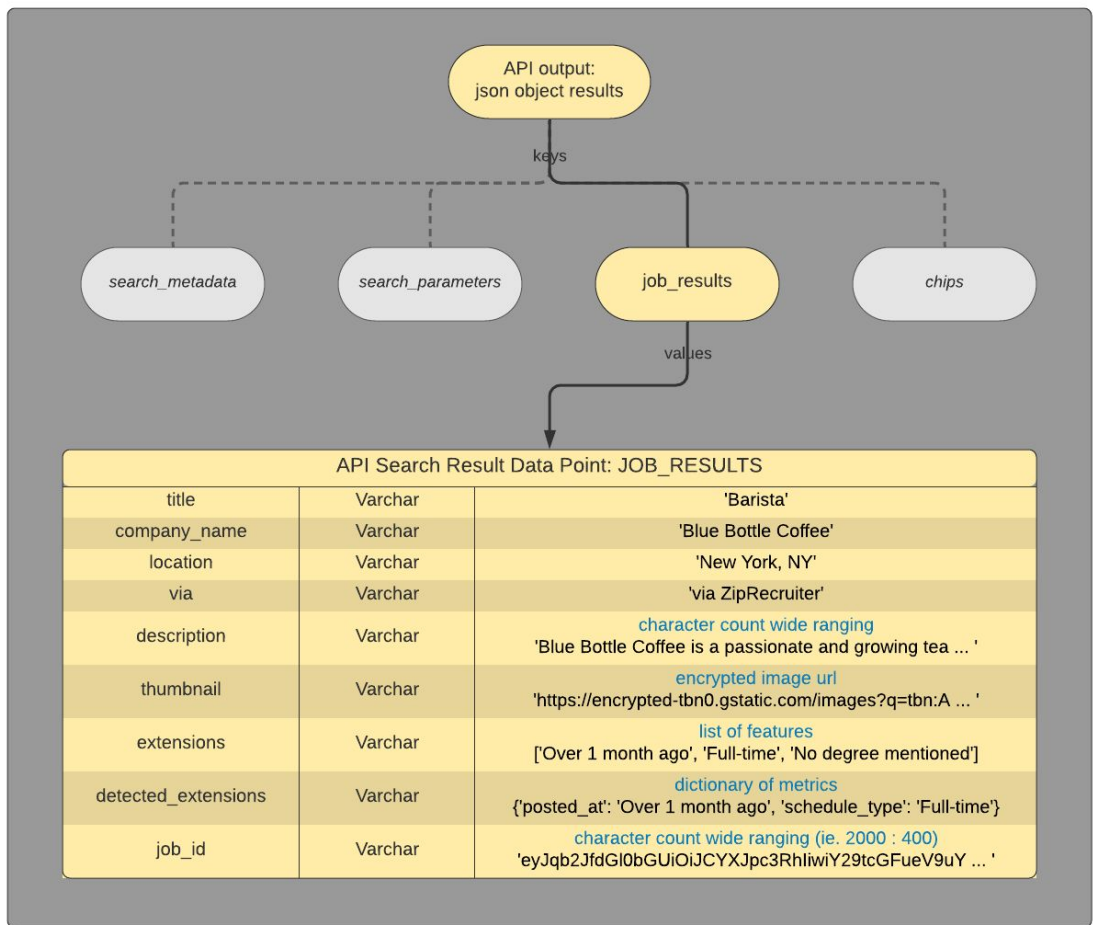


Step 3

Accessing Results

A look at the Job Results Key data points.

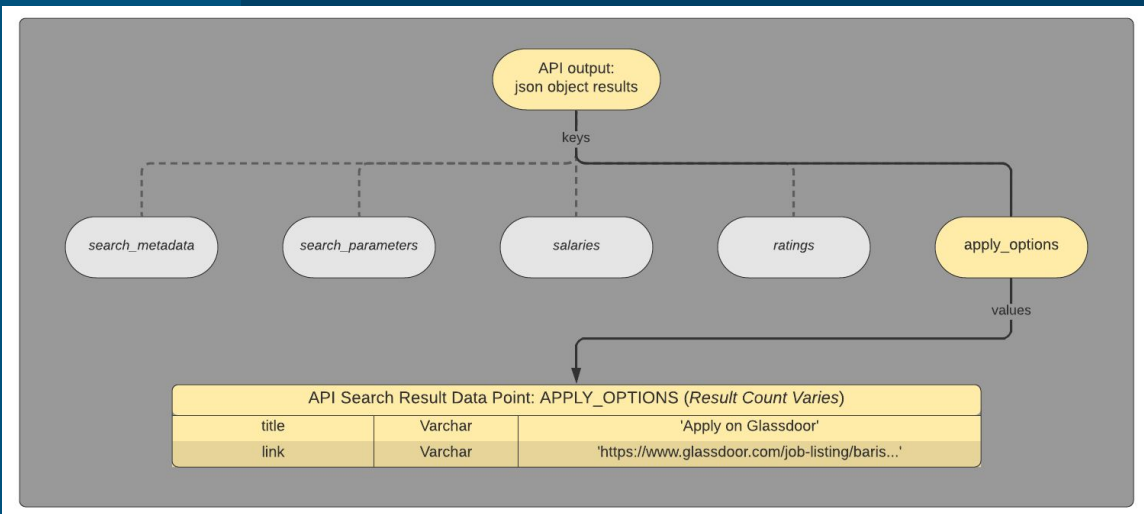
SerpAPI Google Jobs Wrapper



Accessing Results

Apply Options Data Points

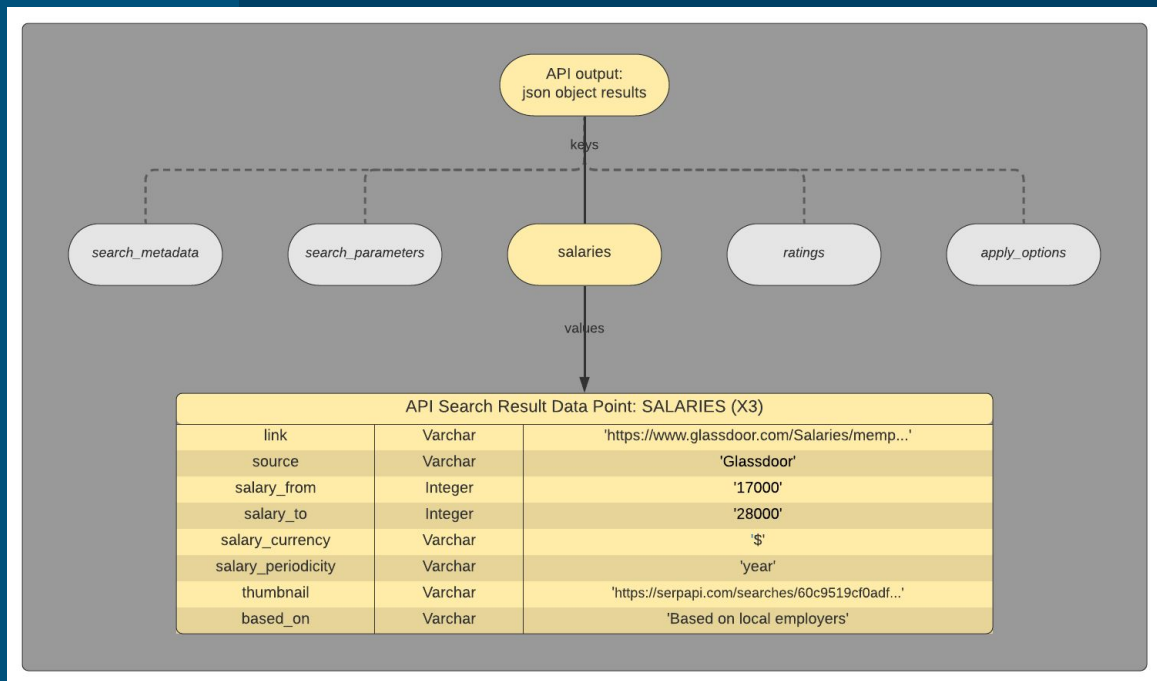
*SerpAPI Google Jobs
Listing Wrapper*



Accessing Results

Salary Comparison Data Points

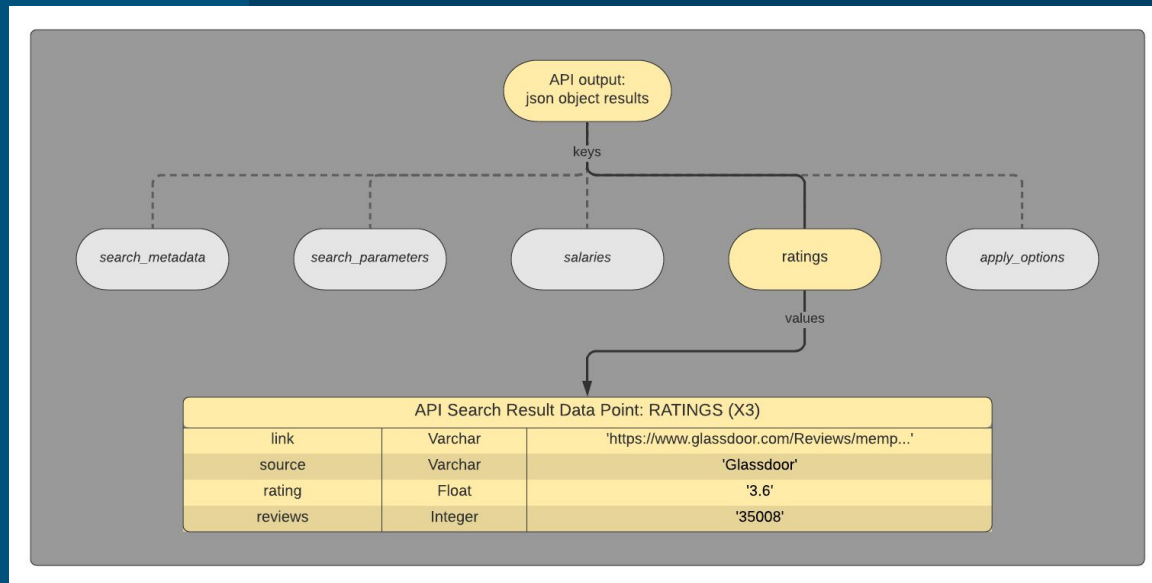
SerpAPI Google Jobs Listing Wrapper



Accessing Results

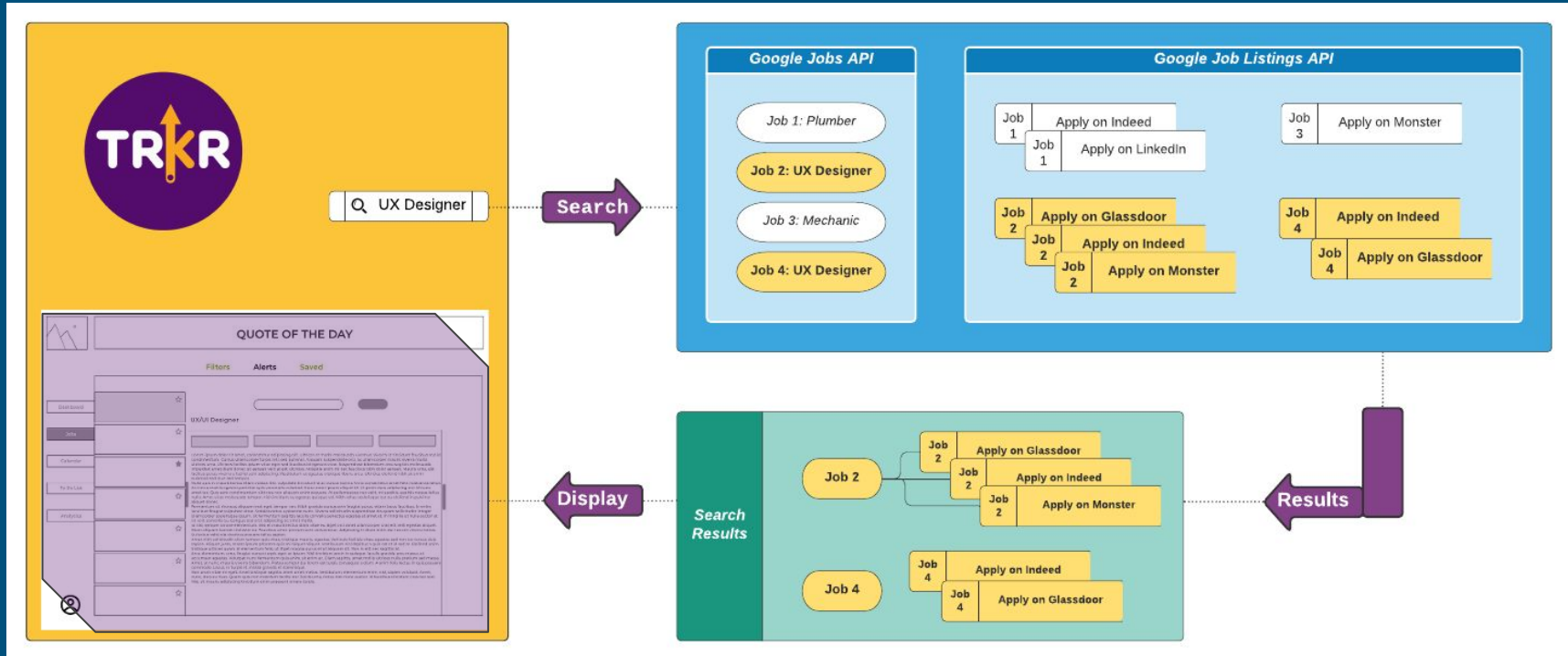
Company Ratings Data Points

SerpAPI Google Jobs Listing Wrapper



API Process Summary:

Integration Overview



Want to see my code?

View it on Github.

Available on Github:

- In Python:
 - Executable scripts:
 - Query Google Jobs API
 - Query Google Jobs Listing API
 - Jupyter notebooks:
 - Generate sample query results
 - Generate sample user trackerlog entries dataset
 - In Javascript:
 - Code block for API query
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