

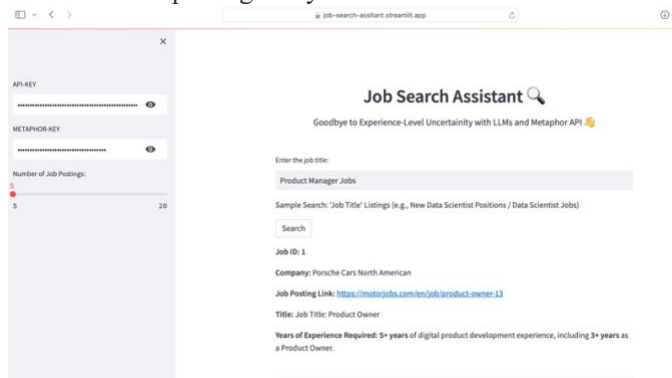
JOB SEARCH ASSISTANT

(Goodbye to Experience-Level Uncertainty with LLMs and Metaphor API)

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Explanation of the Project:

- Basically, it is a “**Job Search Assistant**”.
- The reason to build this project was, myself being a recent grad, many times felt disappointed seeing Entry level positions on LinkedIn, Indeed, and other job boards ask for 5+ years of experience, 3+ years of experience (not entry level in most cases).
- Later, I got to find out that it was not the company’s that state the role as entry level (I believe many people are in the same boat who felt the other way round) but, it was LinkedIn and other job boards which misclassify the experience level of job.
- So when I received the email to build something using Metaphor API, and when I went through the documentation and other resources (which were quite helpful), I felt it would be a great idea to build the “Job search assistant”. I’ll explain more in the later sections.
- This “**Job Search Assistant**” is unlike any job board out there (thanks to Metaphor API and LLMs). **What does it do?** Whenever a user searches for a job posting (example: Product Manager Jobs), the user will get the company name, title, job link and the years of experience.
- The years of experience can help us decide what’s the experience level the company is looking for, which will make the job search easy for users (let it alone be new grad’s).
- The below snapshot gives you an closer idea of how it looks like:



- The website (<https://job-search-assitant.streamlit.app>) needs the OPENAI API KEY and METAPHOR API KEY to generate the job postings.
- OPEN AI charges couple of dollars to get the API in use.
- Below are few more search results of job postings.

Job Search Assistant

Goodbye to Experience-Level Uncertainty with LLMs and Metaphor API 🙌

Enter the job title:

Product Manager jobs

Sample Search: 'Job Title' Listings (e.g., New Data Scientist Positions / Data Scientist Jobs)

Search

Job ID: 1

Company: Wikimedia Foundation

Job Posting Link: https://boards.greenhouse.io/wikimedia/jobs/5319445?gh_src=1baa27eb1us

Job Title: Job Group Product Manager

Years of Experience Required: Minimum of 5 years of work experience in product management

Job ID: 2

Company: Chainlink Labs

Job Posting Link: <https://cryptocurrencyjobs.co/design/chainlink-product-designer/>

Job Title: Job Senior Product Designer

Years of Experience Required: Not specified

Job ID: 3

Company: Square

Job Posting Link: <https://jobs.smartrecruiters.com/Square/743999933420213-senior-product-manager-square-local-offers>

Job Title: Job Product Manager

Years of Experience Required: 5+ years of product management experience, 2+ years of experience either working in a consumer-facing product role or working on a 0 to 1 bet

Job ID: 4

Company: Tools for Humanity

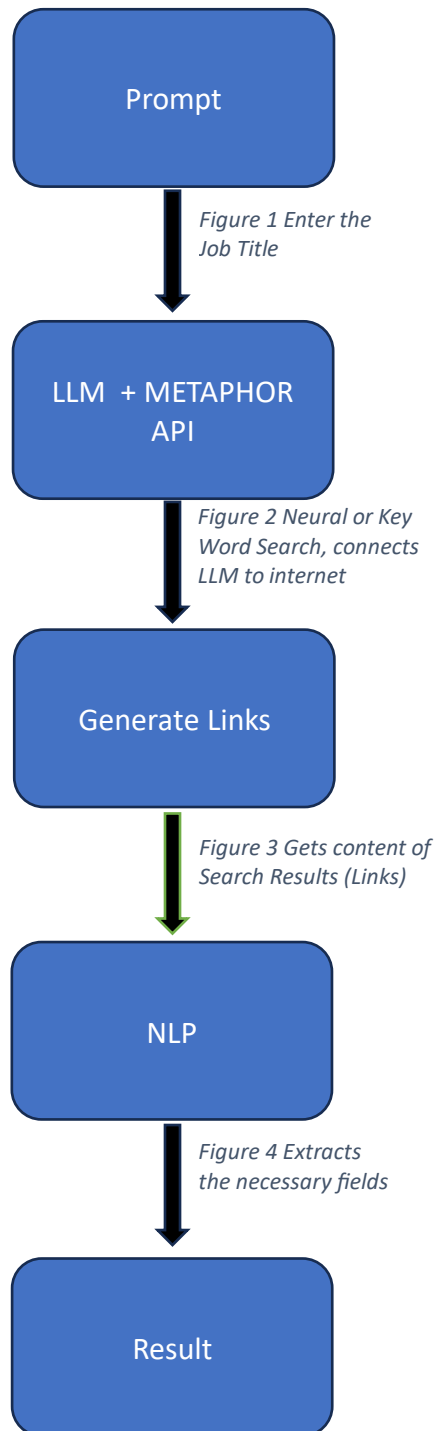
Job Posting Link: <https://cryptocurrencyjobs.co/other/worldcoin-senior-product-manager-wallet/>

Job Title: Job Senior Product Manager

Years of Experience Required: 4+ years of experience as a product manager in a relevant domain (e.g. fintech, payments, Web3, DeFi)

How I Built It?

- After going through the documentation of Metaphor API, playing with playground, and following along with the recent news summarizer, I understood how the Metaphor API works.
- I used the neural or key word search to extract the latest job posting links and connect the LLM to the internet. Later got the content of search results.
- LLM then parses through the content and extracts the required fields.
- Performed Natural Language Processing to get the necessary fields and its values which I mentioned in the application.
- Later, I decided I'll make it an end-to-end project allowing the users test the model with the help of Stream lit. Below is the project flow:



Future Scope of the Project:

- Develop the user interface of the application.
- Help the users filter out the company's based on "Years of Experience" (which is accurate more than 80% of times).

Looking forward to the possibility of joining the Metaphor Team.

Thank you for your time.