

# Linked



## LinkedIn Job Posting 2023

Epsilon Mid-Project

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October 2023

# Project Content

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# Dataset Briefing

- Every day, thousands of companies and individuals turn to LinkedIn in search of talent. This dataset contains a nearly comprehensive record of 15,000+ job postings listed over the course of 2 days. Each individual posting contains 27 valuable attributes, including the title, job description, salary, location, application URL, and work-types (remote, contract, etc), in addition to separate files containing the benefits, skills, and industries associated with each posting. The majority of jobs are also linked to a company, which are all listed in another csv file containing attributes such as the company description, headquarters location, and number of employees, and follower count.

Dataset Link:

<https://www.kaggle.com/datasets/arshkon/linkedin-job-postings/data>



## Dataset File Info



### Original Dataset:

Project data contains 2 files of datasets, company details and job details will be merged to one dataset file.

Merged dataset contains **15886** entries & **41** columns.



### Cleaned Dataset:

One merged file with **8852** entries with **27** columns

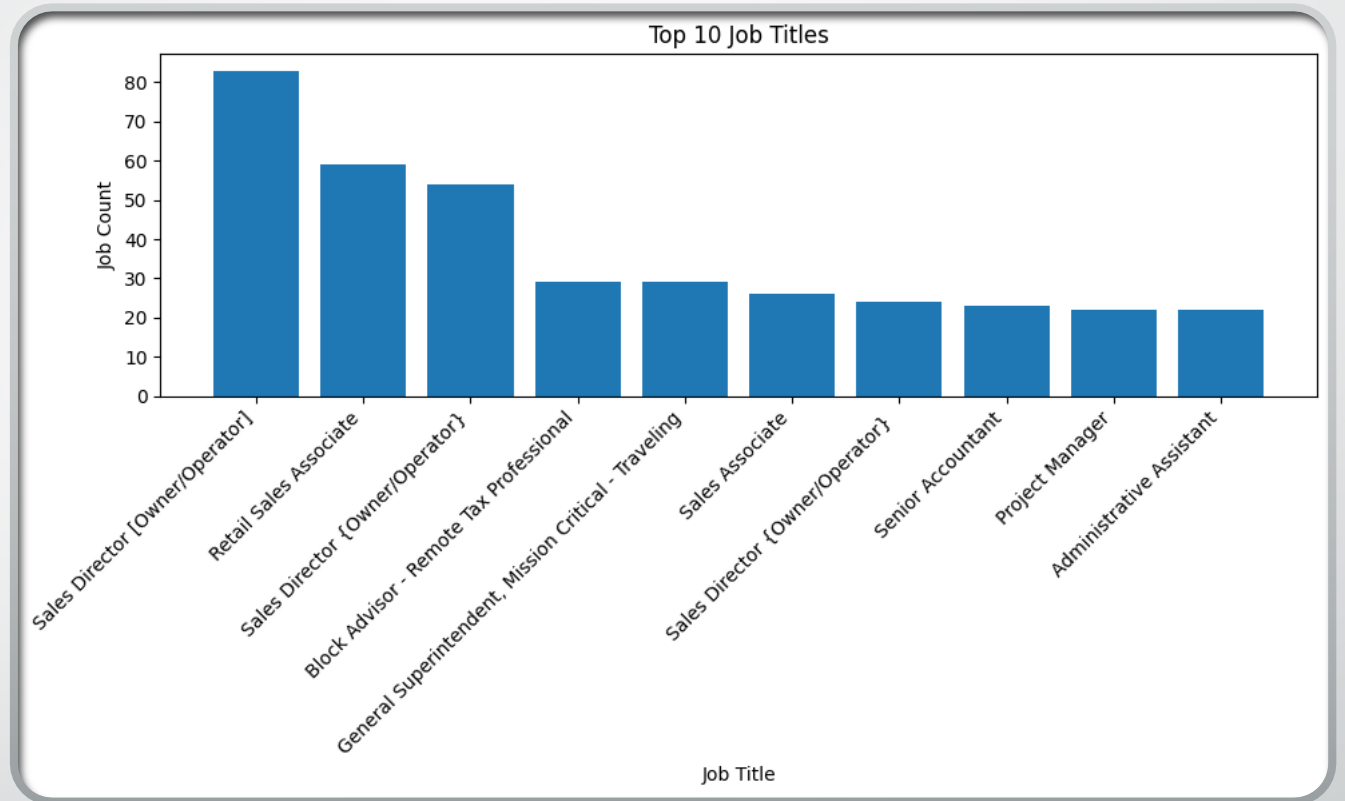
```
jobs_2.info()
```

```
✓ 0.0s
```

```
<class 'pandas.core.frame.DataFrame'>  
Index: 8852 entries, 15 to 15884  
Data columns (total 27 columns):  
#   Column                Non-Null Count  Dtype  
---  ---  
0   job_title              8852 non-null   object  
1   max_salary             8852 non-null   float64  
2   med_salary             8852 non-null   float64  
3   min_salary             8852 non-null   float64  
4   pay_period            8852 non-null   object  
5   work_type              8852 non-null   object  
6   location               8852 non-null   object  
7   applies                8852 non-null   float64  
8   remote_allowed         8852 non-null   float64  
9   views                 8852 non-null   float64  
10  application_type       8852 non-null   object  
11  expiry                 8852 non-null   datetime64[ns]  
12  closed_time           8852 non-null   datetime64[ns]  
13  experience_level       8852 non-null   object  
14  sponsored              8852 non-null   int64  
15  compensation_type      8852 non-null   object  
16  benefits_type         8852 non-null   object  
17  skill_abr             8852 non-null   object  
18  company_name          8852 non-null   object  
19  company_size           8852 non-null   float64  
...  
25  time_recorded          8852 non-null   float64  
26  normalized_salary      8852 non-null   float64  
dtypes: datetime64[ns](2), float64(9), int64(1), object(15)  
memory usage: 1.9+ MB
```

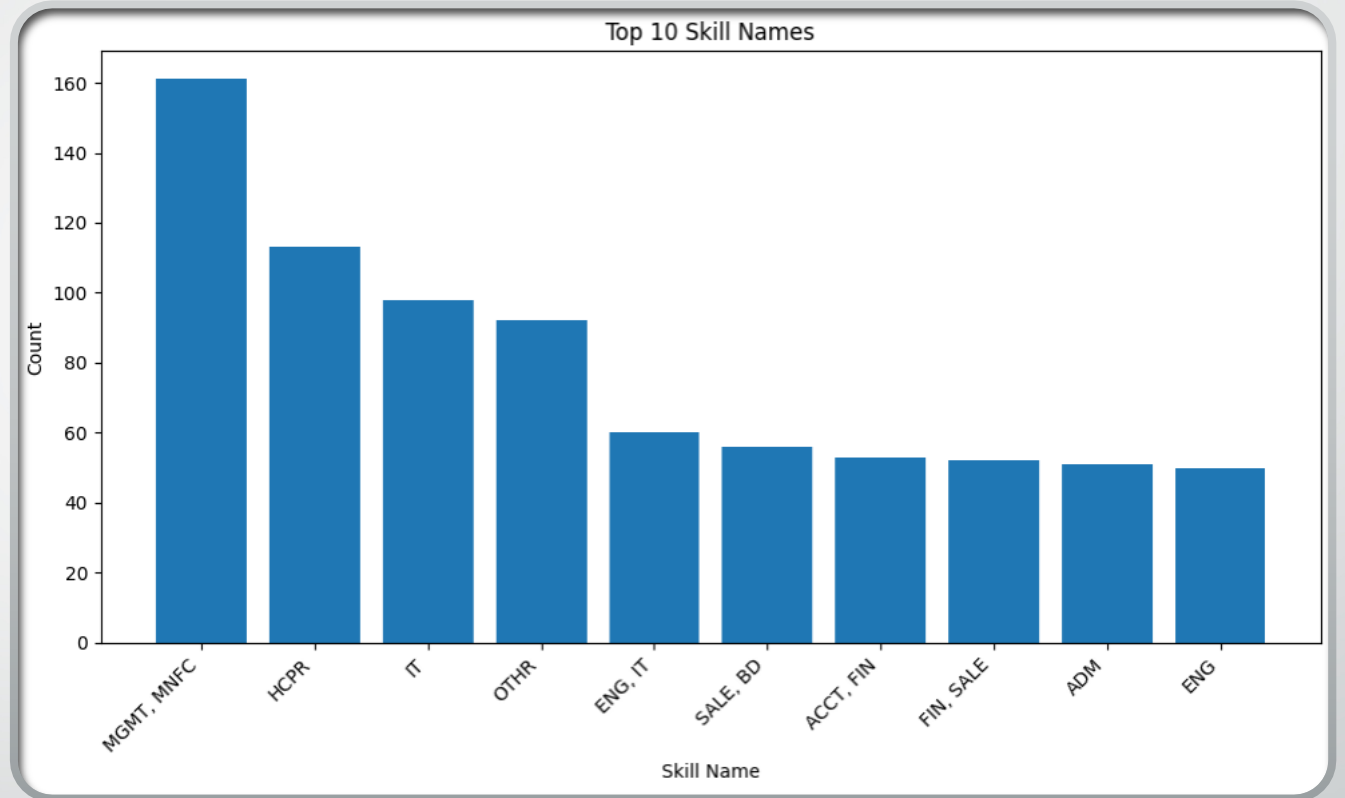
## Top 10 Job Titles

- The biggest number of job postings for the position of "**Sales Director**" followed by "**Retail Sales Associate**" demonstrates the significant demand for opportunities in the **sales industry**.
- This pattern emphasizes the wide-ranging opportunities in the sales sector that will exist in 2023, attracting both seasoned people searching for **leadership positions** as **Sales Directors** and those eager to launch their careers as **Sales Associates**.



## Top 10 Skills Name

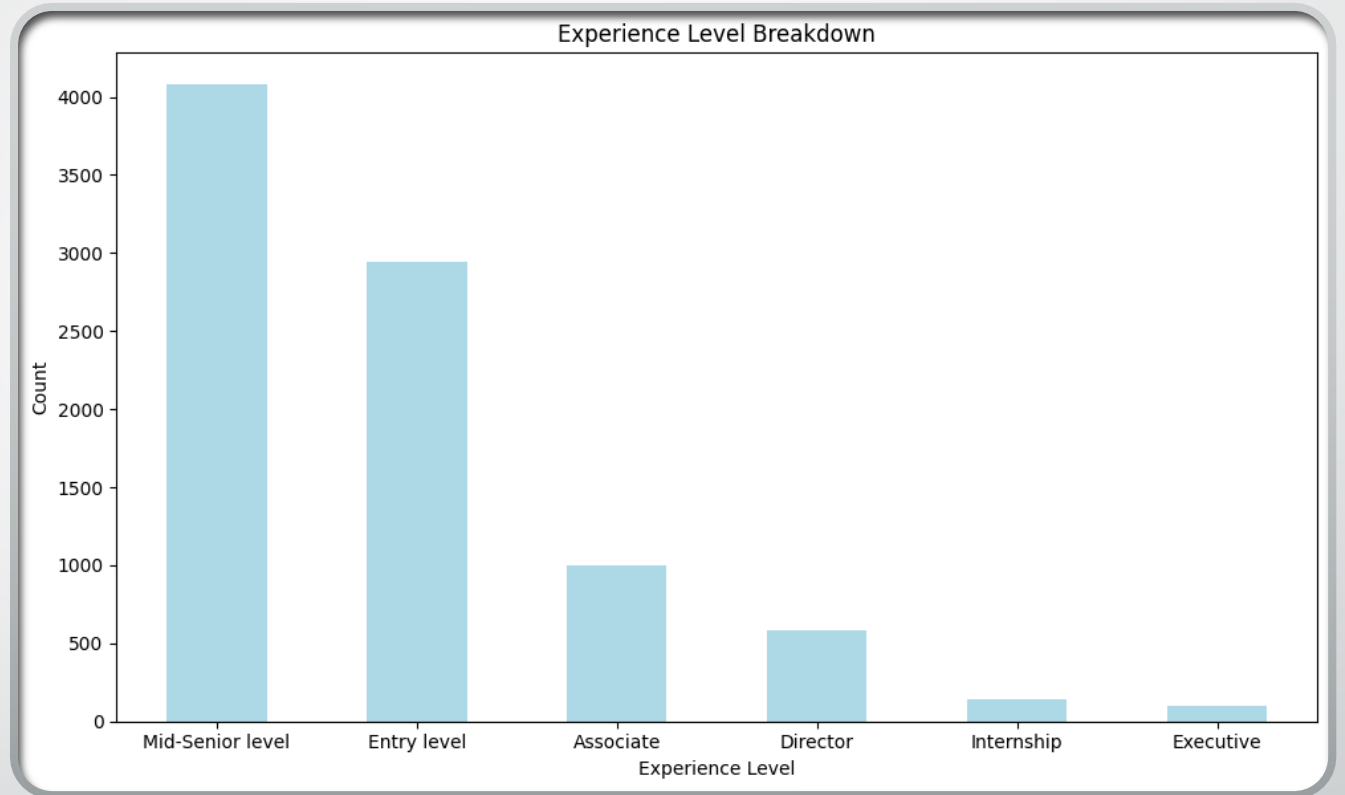
The most commonly occurring skill in this data analysis is '**MGMT**' (Management), followed by '**HCPR**' (Health Care Personnel Registry), indicating that management abilities are in great demand, followed by skills in the fields of healthcare and information technology. In the work market, candidates with these skills may locate suitable openings.





## Top 10 Experience Level by Job Posting

- The biggest number of job postings for the "**Mid-Senior Level**" followed by "**Entry Level**" demonstrates the significant demand for opportunities with **Mid-Senior Level**.
- This pattern emphasizes the wide-ranging opportunities with **Mid-Senior Level** that will exist in 2023, the **Internship** and **Executive** is lowest demanded jobs levels this is applicable regarding the cost of the title.



## Salary Distribution By Experience Level

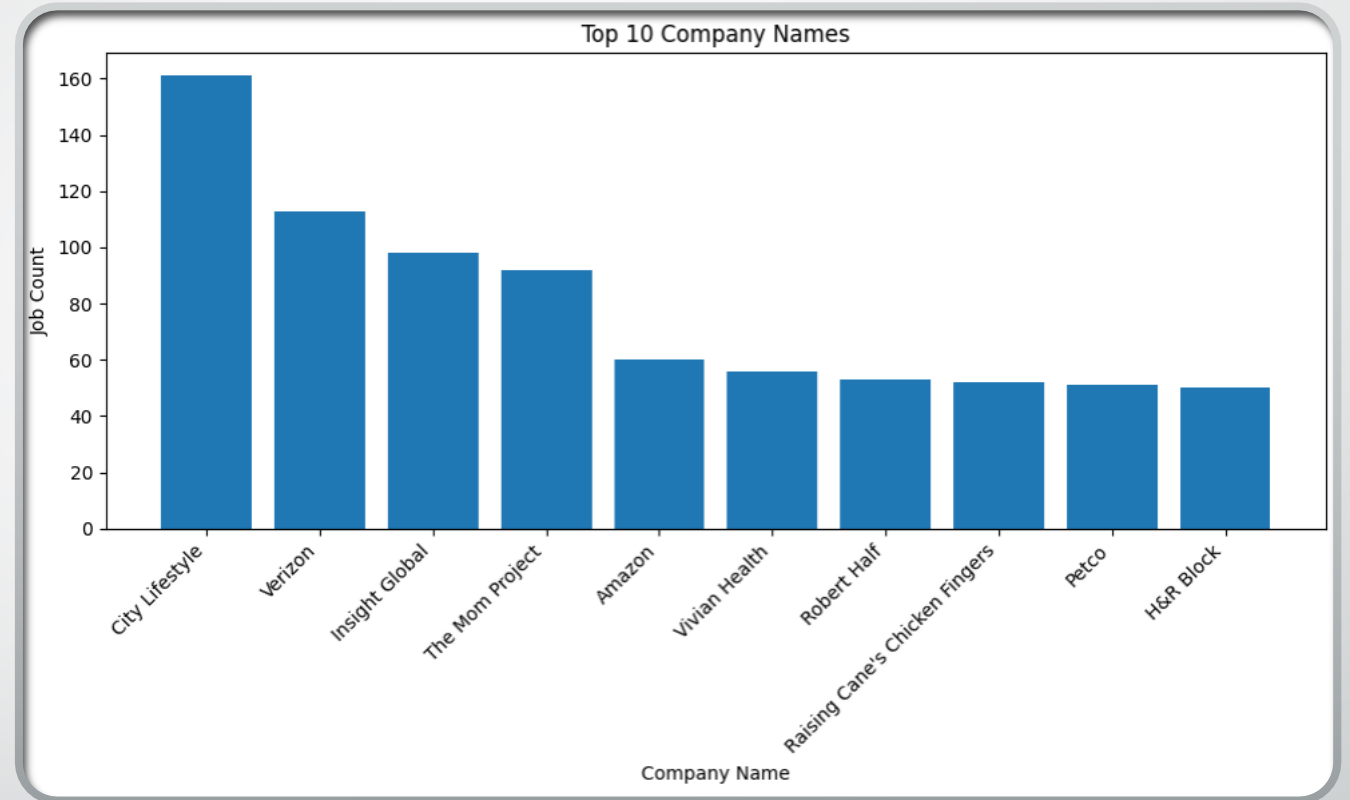
- The biggest median-salary of job postings for "**Director Levels**" followed by "**Mid-Senior Level**" and "**Executive**" demonstrates the significant demand for opportunities in the **Managerial Levels**.





## Top 10 Company Name

'City Lifestyle' has the most available jobs, followed by 'Verizon' and 'Insight Global'. This suggests that "City Lifestyle" will be a significant player in the employment market for 2023, closely followed by two huge corporations, "Verizon" and "Insight Global," who both continue to have a significant presence in the work market, demonstrating their continuous relevance in the job market throughout the same period.



## Top 10 Countries by Job Posting

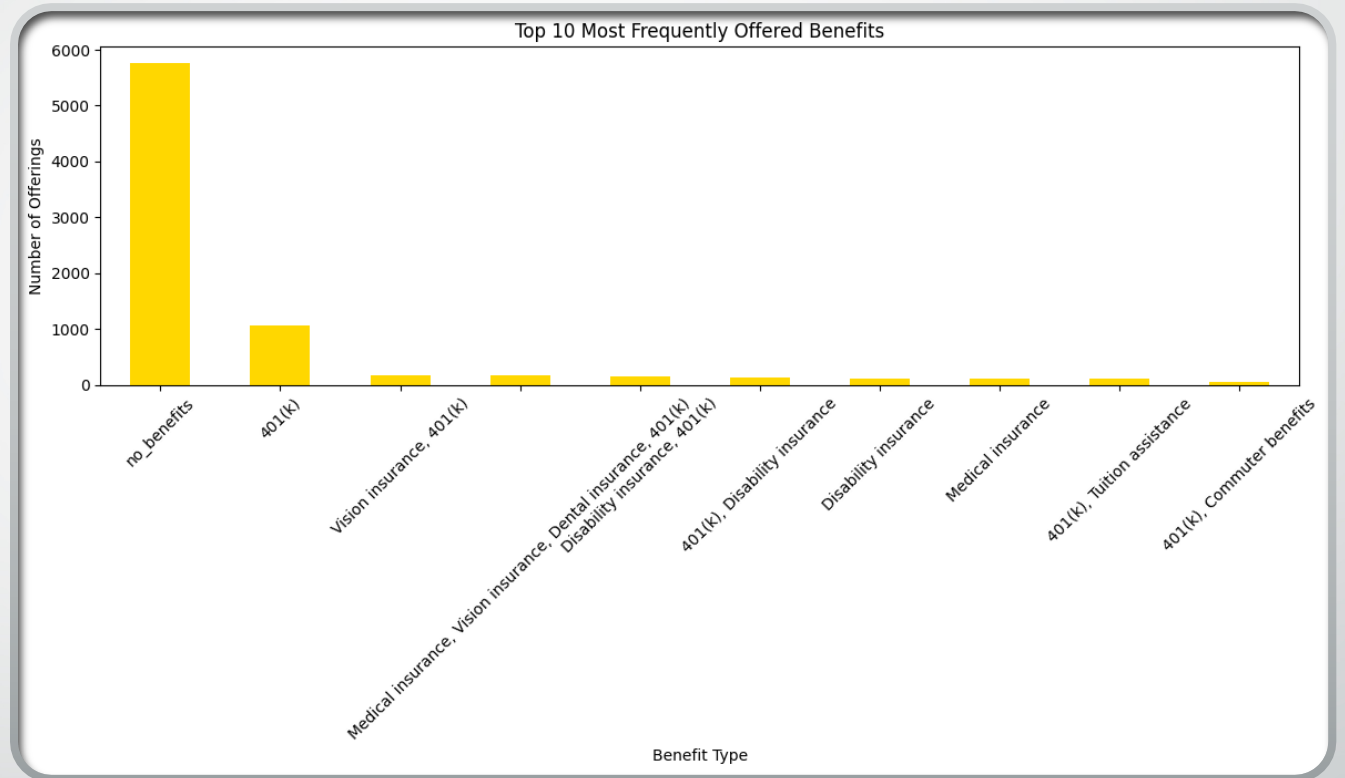
- **The United States (US)**, followed by the **United Kingdom (GB)**, has the most job listings. It indicates that the **United States** has the strongest job market, with **the United Kingdom** also having a considerable impact on the range of employment options in 2023.

Treemap Chart by Country (Top 10)



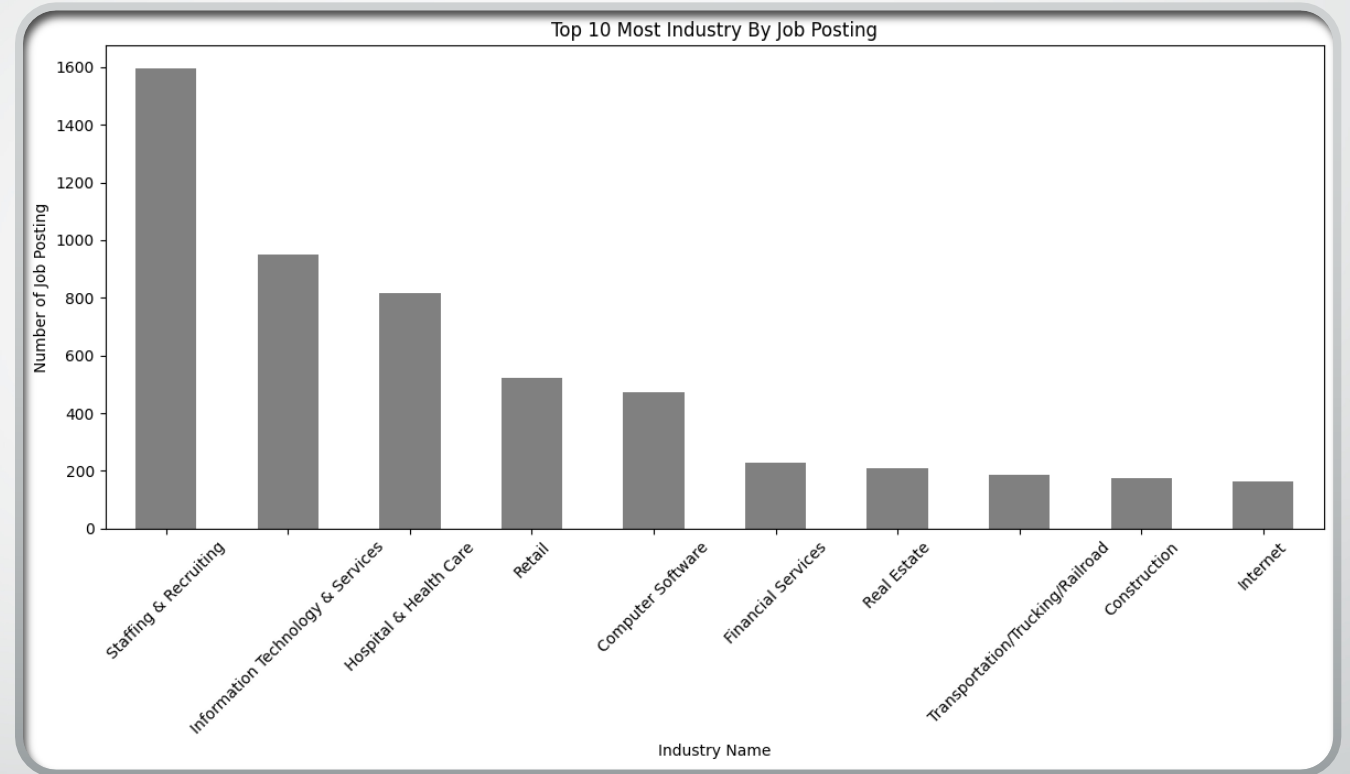
## Top 10 Most Offered Benefits

The biggest number of job postings with **"no-benefits"** over 5000 jobs posting without benefits like a medical insurance as it's the major benefits that must the companies provide for the employees.



## Top 10 Most Industry By Job Posting

The biggest number of job postings with industry is **"Staffing & Recruiting"** over 1600 jobs posting followed by **"Information Technology"** and **"Health Care"** this demonstrates the significant demand for opportunities in the **IT and Health Care** industries.

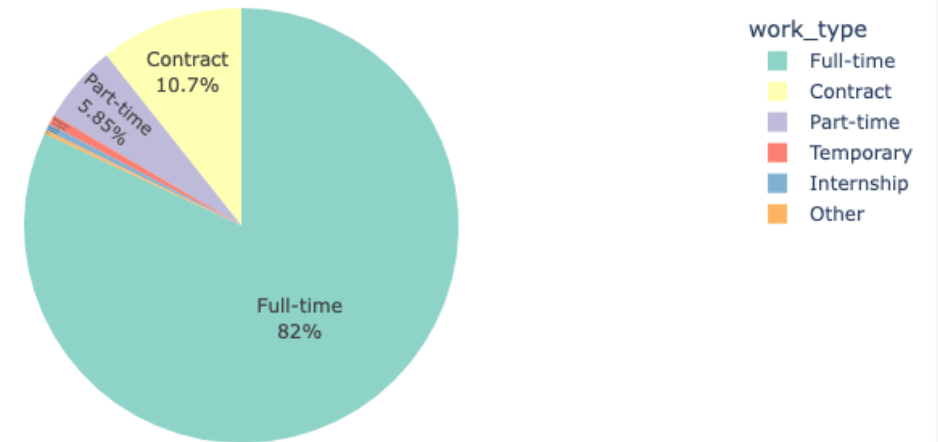


## Work Type Distribution by Job Posting

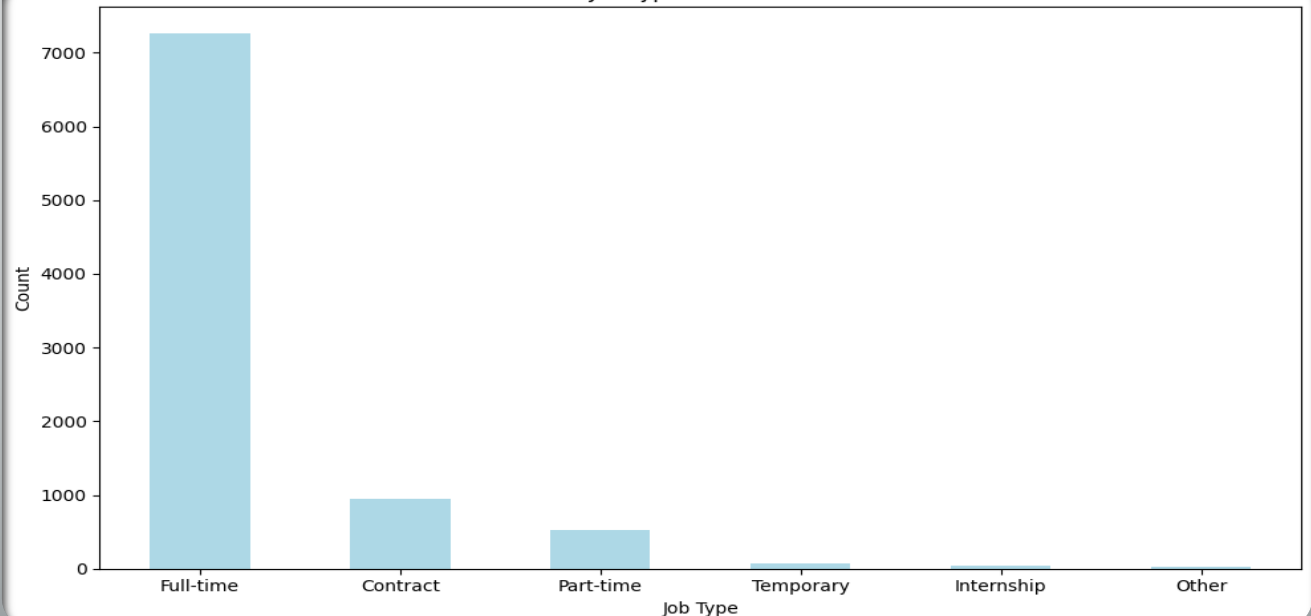
The majority of job postings are for **Full-Time** roles, followed by **Contract** and **Part-Time** jobs. This indicates that full-time employment possibilities are preferred in general, while **Contract** and **Part-Time** employment chances will also be prevalent in the job market in 2023

Also, this is a good indication after corona pandemic that the job market is back again.

Work Type Distribution



Job Type Breakdown

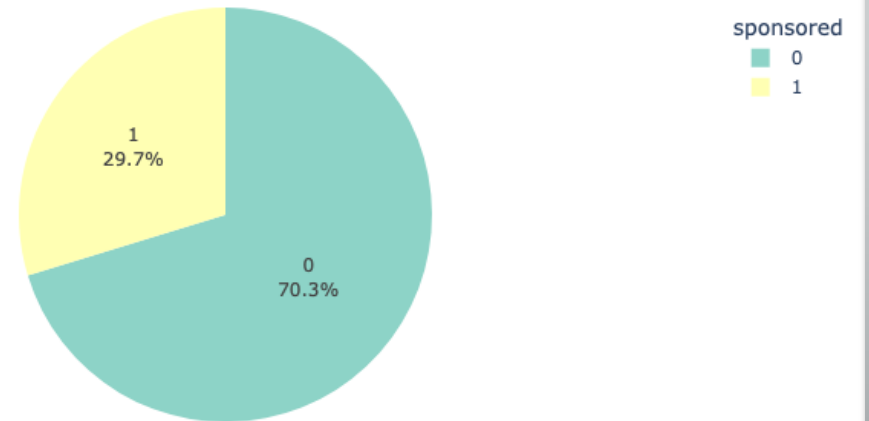


## Sponsored Distribution By Job Posting

Majority of job postings indicate 'no' sponsorship.

This suggests that many job openings in 2023 won't need **employer-sponsored** visas or work permits, making them more accessible to a wider spectrum of applicants.

Sponsored Distribution





## Remote Allowed Distribution

Majority of job postings indicate '**No Remote Allowed**' with 87%.

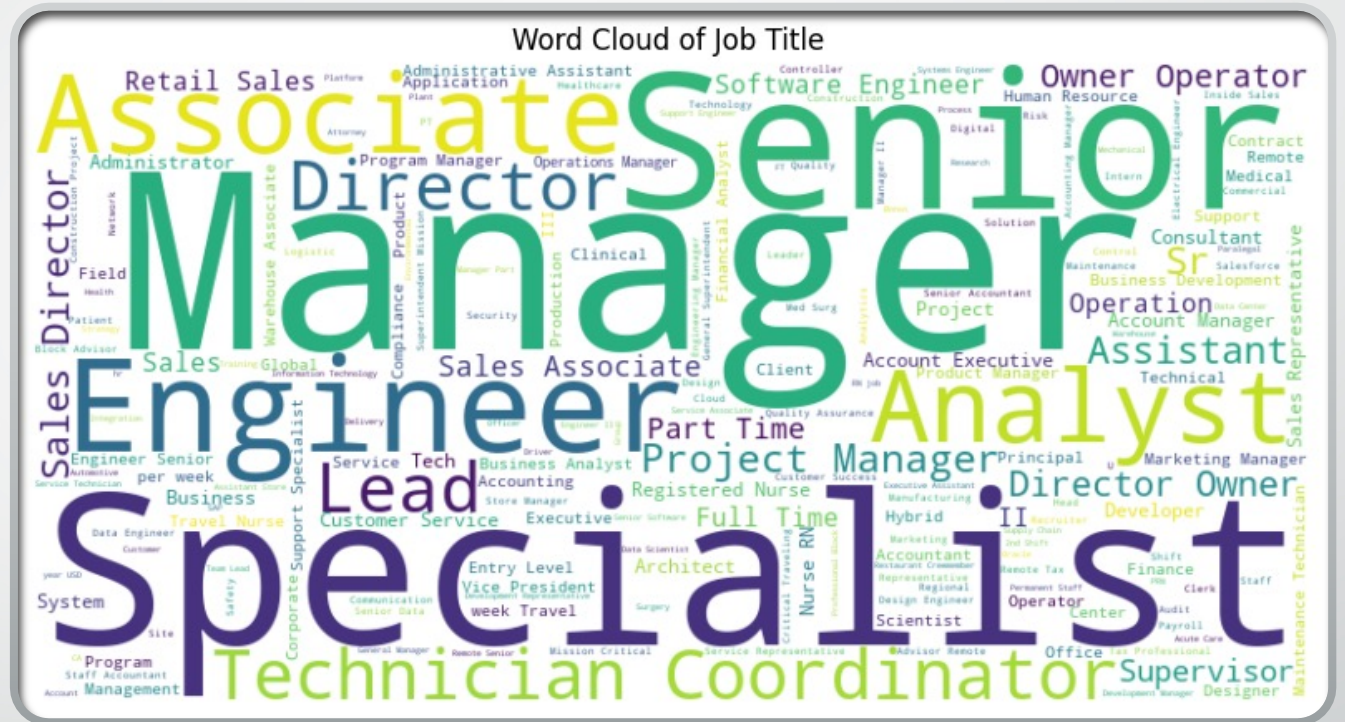
This suggests that many job openings in 2023 won't need **Remote Allowed option**, this indicates that the job market return to the normal after Corona pandemic.

Remote Allowed Distribution



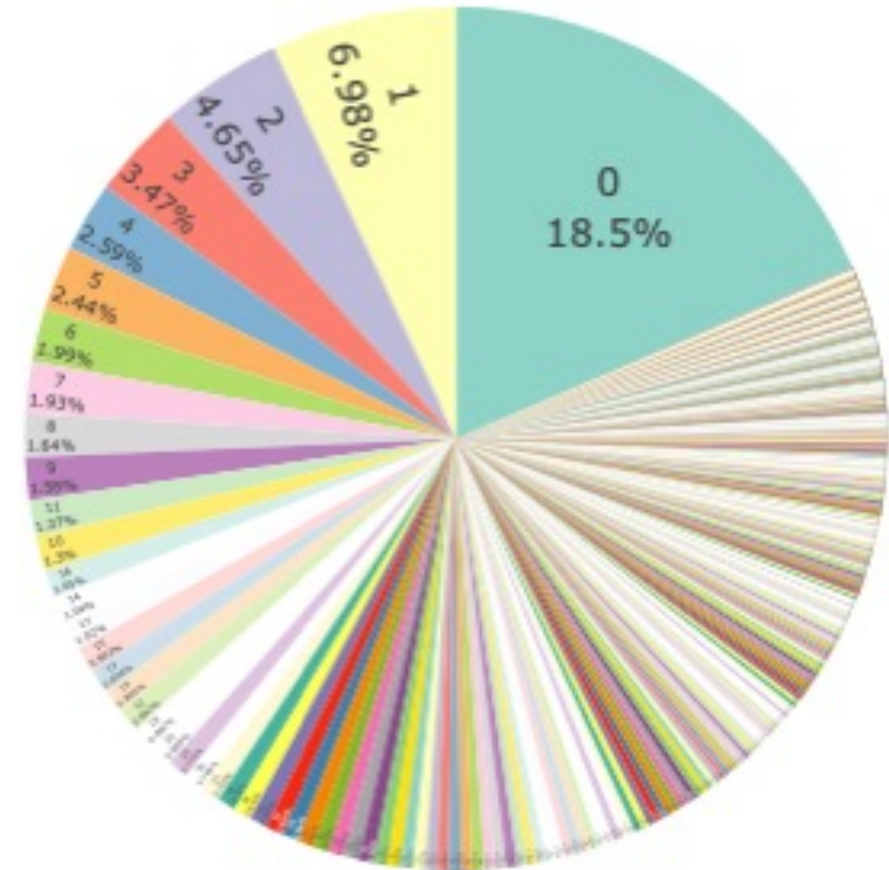
# Word Cloud of Job Title

- In job titles, keywords such as 'Manager', 'Senior', 'Director', 'Engineer' and 'Specialist' appear most frequently. This indicates that skills, experience, support, and the nature of the work to be performed are highly important aspects emphasized in job descriptions in the year 2023.



# Job Views Distribution

No of Job Views Distribution



# Job Applies Distribution

No of Applied Jobs Distribution

