Exploratory Data Analysis (EDA)

Visualizing and Interpreting Job Market Trends

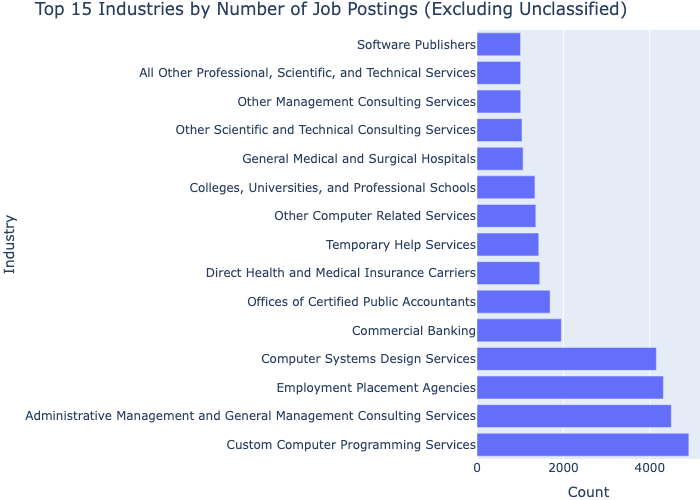
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# Job Postings by Industry (Top 15)

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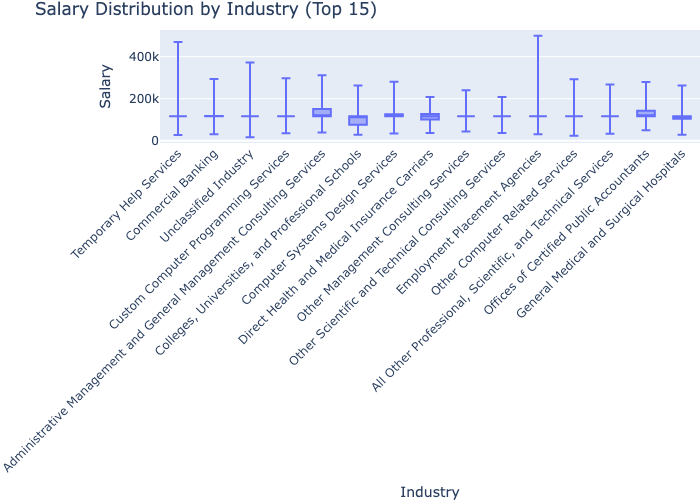
## Rationale

Highlights sectors where demand is concentrated, showing which industries are actively hiring.

## Key Insights

* Top Hiring Industries: Custom Computer Programming, Management Consulting, and Employment Agencies dominate job postings.
* Skewed Distribution: The top 4 industries account for a significantly larger share of job postings than the rest.
* Professional Services Focus: Many high-posting sectors are centered around tech, consulting, healthcare and education — reflecting demand for knowledge-based roles.

# Salary Distribution by Industry (Top 15)



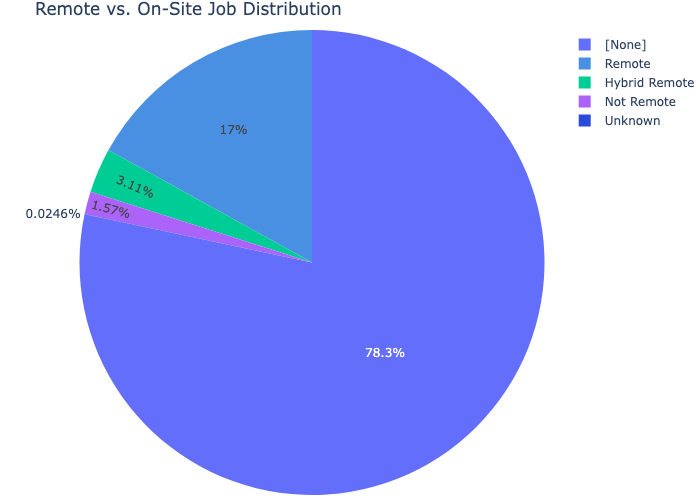
## Rationale

Shows where negotiation power exists and highlights industries paying well.

## Key Insights

* Wide Salary Ranges in Staffing & Tech Services: Industries like Temporary Help Services and Employment Placement Agencies exhibit large salary spreads with high outliers, though their median pay remains modest.
* Stable Pay in Professional Sectors: Most industries maintain a consistent median salary around $100K–$150K, reflecting standardized compensation and less variation in negotiation power.

# Remote vs. On-Site Jobs



## Rationale

Workplace flexibility is a major factor in today’s job market.

## Key Insights

* Limited Remote Availability: Only about 17% of job postings are labeled as Remote, with Hybrid Remote and Not Remote making up even smaller portions.
* Data Gaps in Job Listings: A significant 78.3% of postings lack remote classification, indicating either incomplete employer data or inconsistent labeling, which may affect job seekers’ filtering and selection.