**Information Retrieval Automation Project:**

**Job Vacancies for Data Analyst and Data Engineering Roles**

**1. Introduction**

**The primary objective of this project is to develop an automated Python-based application that retrieves current job vacancies for Data Analyst, Data Engineer, and other relevant roles matching the applicant's skill set and educational background. The targeted salary range is $100,000 or more, and the positions can be office-based, remote, or hybrid with openness to relocation.**

**The application will scrape job listings from multiple job boards twice daily at 12:00 AM and 12:00 PM, extract relevant information, and send it as an email to email@email.com. The extracted information will be structured for easy review and application. This automation aims to save time, enhance accuracy, and broaden the range of identified opportunities.**

**2. Objectives**

* **Automate job retrieval from specified job boards based on predefined criteria:**
  + **Roles: Data Analyst, Data Engineer, and related positions.**
  + **Salary: $100,000 or more.**
  + **Location: Office-based, remote, or hybrid; open to relocation.**
* **Extract and store job details including:**
  + **Job title, company name, location, salary range, required skills, and application link.**
* **Filter and rank jobs based on skill set match and salary requirements.**
* **Notify the user a simple dashboard of newly found jobs and add the date – timestamp of the information retrieval.**

**3. Technologies and Tools**

* **Programming Language: Python**
* **Libraries:**
  + **Web Scraping: Beautiful Soup, Scrapy, Selenium (for JavaScript-heavy sites).**
  + **API Access: Requests, HTTP client libraries.**
  + **Data Processing: Pandas, JSON.**
  + **Database: SQLite for local storage or MongoDB for cloud-based storage.**
  + **Notification: smtplib (for email notifications).**
  + **Scheduling: APScheduler for periodic searches.**
  + **Automation: Apache Airflow for managing data pipelines.**

**4. System Architecture**

**1. Web Scraper Module:**

* **Scrapes job boards using Beautiful Soup, Scrapy, or Selenium.**
* **Extracts job title, company, salary, location, skills, and job link.**

**2. Data Processor Module:**

* **Cleans and stores extracted data in SQLite or MongoDB.**
* **Filters jobs based on salary, location, and skills.**

**3. Ranking and Matching Module:**

* **Uses a scoring algorithm to match jobs based on skill relevance and salary.**

**4. Notification System:**

* **Sends email alerts for new matches.**
* **Generates a report/dashboard of potential jobs.**

**5. Scheduler Module:**

* **Uses APScheduler to run searches daily or weekly.**

**5. Job Boards for Scraping**

**All the job sources**

* [**Monster**](https://www.monster.com/)
* [**ZipRecruiter**](https://www.ziprecruiter.com/)
* **Interview Query**
* **Wellfound (Formerly AngelList Talent)**
* **Instahyre**
* **Hirist**
* **Open Data Science (ODSC)**
* **DataJobs.com**
* **DataYoshi**
* **Data Umbrella**
* **Outer Join**
* **Blind**
* **Starbridge Partners**
* **Underdog**
* **Arc.Dev**
* **Untapped (Formerly Jumpstart)**
* **Ai-Jobs**
* [**Indeed**](https://www.indeed.com/)
* [**Glassdoor**](https://www.glassdoor.com/)
* [**LinkedIn Jobs**](https://www.linkedin.com/jobs/)
* [**Hired**](https://www.hired.com/)
* [**CareerBuilder**](https://www.careerbuilder.com/)
* [**SimplyHired**](https://www.simplyhired.com/)
* **Remote.co**
* [**Dice**](https://www.dice.com/) **– for tech-focused jobs.**

**6. Python Script Design**

**6.1. Web Scraper Module (scraper.py):**

* **Libraries: requests, BeautifulSoup, Selenium for JS-heavy sites.**
* **Functions:**
  + **fetch\_job\_listings(): Fetch HTML content.**
  + **parse\_job\_data(): Extract and clean job details.**
  + **Send the scaraped report by eamil to:** [**emailme@email.com**](mailto:emailme@email.com)

**6.2. Data Processing Module (data\_processor.py):**

* **Libraries: pandas, sqlite3.**
* **Functions:**
  + **filter\_jobs(): Filter jobs based on salary, location, and skills.**
  + **rank\_jobs(): Rank jobs using a skill match score.**

**6.3. Notification Module (notifier.py):**

* **Libraries: smtplib, email.mime.**
* **Functions:**
  + **send email(eamilme@email.com): Send alerts for new jobs.**
  + **generate\_report(): Create a summary of new opportunities.**

**6.4. Scheduler Module (scheduler.py):**

* **Library: APScheduler.**
* **Function: schedule\_scraping(): Run scraper periodically.**

**7. Key Features**

* **Automated Scraping: Continuously fetches job listings.**
* **Skill-Based Ranking: Scores jobs based on skill relevance.**
* **Notifications: Sends email alerts for high-matching jobs.**
* **Data Storage: Saves job data in a searchable format.**
* **Error Handling: Logs errors for debugging.**

**8. Code Snippet: Web Scraper Example**

**python**

**CopyEdit**

**import requests**

**from bs4 import BeautifulSoup**

**import sqlite3**

**import re**

**# Database setup**

**conn = sqlite3.connect('job\_listings.db')**

**cursor = conn.cursor()**

**cursor.execute('''**

**CREATE TABLE IF NOT EXISTS jobs (**

**id INTEGER PRIMARY KEY AUTOINCREMENT,**

**title TEXT,**

**company TEXT,**

**location TEXT,**

**salary TEXT,**

**link TEXT,**

**skills TEXT**

**)**

**''')**

**# Fetch job listings**

**def fetch\_job\_listings(url):**

**headers = {'User-Agent': 'Mozilla/5.0'}**

**response = requests.get(url, headers=headers)**

**soup = BeautifulSoup(response.text, 'html.parser')**

**return soup**

**# Parse job details**

**def parse\_job\_data(soup):**

**jobs = []**

**for job\_card in soup.find\_all('div', class\_='job-listing'):**

**title = job\_card.find('h2').text.strip()**

**company = job\_card.find('span', class\_='company').text.strip()**

**location = job\_card.find('span', class\_='location').text.strip()**

**salary = job\_card.find('span', class\_='salary').text.strip() if job\_card.find('span', class\_='salary') else 'Not specified'**

**link = job\_card.find('a')['href']**

**skills = ', '.join(re.findall(r'\bPython\b|\bSQL\b|\bScala\b', title + company))**

**jobs.append((title, company, location, salary, link, skills))**

**return jobs**

**# Save to database**

**def save\_to\_database(jobs):**

**cursor.executemany('''**

**INSERT INTO jobs (title, company, location, salary, link, skills)**

**VALUES (?, ?, ?, ?, ?, ?)**

**''', jobs)**

**conn.commit()**

**# Run scraper**

**url = 'https://www.monster.com/jobs/search?q=Data+Engineer'**

**soup = fetch\_job\_listings(url)**

**jobs = parse\_job\_data(soup)**

**save\_to\_database(jobs)**

**conn.close()**

**9. Testing and Validation**

* **Test Cases: Check if jobs are fetched, parsed, and stored correctly.**
* **Performance Test: Ensure scraping completes within a reasonable time.**
* **Error Handling: Log errors for failed requests or missing data.**

**10. Challenges and Solutions**

* **Challenge 1: Dynamic Content on Job Boards**
  + **Solution: Use Selenium for JavaScript-rendered pages.**
* **Challenge 2: Captchas and IP Blocking**
  + **Solution: Integrate proxy servers and rotate user agents.**
* **Challenge 3: Data Cleaning**
  + **Solution: Implement regex for extracting and standardizing data.**

**11. Conclusion**

**The automation project is designed to enhance job search efficiency by leveraging Python’s capabilities in web scraping, data processing, and automation. By systematically retrieving and ranking job listings, it significantly reduces manual effort and increases the chances of finding well-matched opportunities.**

**This solution is scalable and can be extended with additional features such as a web-based dashboard, cloud storage, and machine learning-based job ranking.**

**Would you like to proceed with implementation or need further customization? 😊**

**You said:**

**Yes proceed with implementation of further customization for optimized efficiency**

**ChatGPT said:**

**Great! I'll proceed with implementing further customizations to optimize the efficiency of the job retrieval automation project. This will include:**

1. **Efficient Web Scraping:**
   * **Implementing multi-threading for faster scraping.**
   * **Using Selenium for dynamic content and requests for static pages.**
   * **Handling Captchas with proxy rotation and user-agent spoofing.**
2. **Advanced Data Processing:**
   * **Using Pandas for data cleaning and transformation.**
   * **Implementing a ranking algorithm based on skill match and salary.**
3. **Database Optimization:**
   * **Switching from SQLite to MongoDB for better scalability.**
   * **Indexing for faster search and retrieval.**
4. **Automated Notification System:**
   * **Email notifications for high-matching jobs.**
   * **A simple report summarizing new job opportunities.**
5. **Scheduling and Orchestration:**
   * **Using Apache Airflow for scheduled scraping and data processing.**
6. **Enhanced User Interface:**
   * **A simple command-line or web-based dashboard for job listing review.**

**I'll start by creating the optimized Python scripts for these tasks. Please hold on for a moment. 😊**

**It seems like the pymongo library is not available in this environment, which is required for interacting with MongoDB. Since MongoDB is essential for scalable data storage in this project, I will modify the script to use SQLite instead for now, ensuring compatibility with this environment.**

**I’ll update the script and proceed. Please hold on. 😊 ​​**

**It seems that the script was unable to fetch job listings due to a network issue in this environment. Since external web requests cannot be executed here, we can proceed in two ways:**

**1. Export the Code for Local Execution**

**I can provide you with a complete and optimized script that you can run on your local machine. This way, you can test the web scraping functionality directly.**

**2. Simulate the Process with Local Data**

**If you prefer, I can generate a sample dataset to simulate the scraping process and demonstrate the ranking, filtering, and email preparation steps without actual web scraping.**

**Would you like to proceed with the local execution script or a simulated demonstration? 😊 ​​**

**Information Retrieval Project**

Based on the job boards listed below design information retrieval automation codes using python to retired current job vacancies for Data Analyst related roles or Data Engineering roles and other job titles where my skillsets make me a top candidate for the job. salary ranging from $100,000 or more.

Types – office based, remote or hybrid.

Open to relocation

The app should retrieve all available vacancies online.

RESUME

**SKILLS**

**Programming Skills:** Python | SQL | Java | Scala | JavaScript | HTML/CSS **|** Spark | Web Scraping | ETL | Apache Airflow | Docker | EMR **|** MySQL | PostgreSQL | SQL Server | MongoDB | AWS (S3) | Hadoop

**Theoretical Knowledge:** ETL | ML (Scikit-learn) | AWS (S3) | Feature Engineering | Tableau | Matplotlib | Leaflet | ggplot | NumPy | Pandas | Scikit-learn | Git | Time Series Modeling

**Certification:** Data Analytics Certification @ The Ohio State University (2024)

**EDUCATION Major | GPA Graduation Date**

Kwame Nkrumah University of Science & Technology Master of Public Health | GPA: 3.50 2014

University of Ghana Master of Arts | GPA: 3.60 2013

University of Cape Coast Bachelor of Education | GPA: 3.30 2007

**EXPERIENCE Location / Date**

**Columbus Public Health** *Columbus, Ohio* **Public Health Program Manager** *March 2023 – February 2025*

* Analysed operational data using Excel and Python to identify trends, implementing quality improvements that increased service efficiency by 20%.
* Created reporting dashboards to track language service usage, resolving accessibility issues and expanding service reach by 30%.
* Led community initiatives using data-driven insights, boosting participation from refugees and migrants by 25%.

**Bright Innovations Lab** *New Albany, Ohio* **Document Control Specialist** *October 2021 – November 2022*

* Streamlined documentation processes, reducing retrieval time by 40%.
* Automated workflow processes, improving system efficiency by 25%.
* Optimized inventory databases with data validation techniques, reducing IT equipment loss by 15%.

**Human Development for Afrika** *Accra, Ghana* **Programs Director** *January 2019 – June 2020*

* Managed program impact tracking using Excel and VBA, enhancing data-driven decision-making by 30%.
* Developed data analytics dashboards to monitor team performance, reducing turnover by 20%.
* Secured 35% more funding by managing program budgets effectively using Google Sheets.

**World Child Cancer** *Accra, Ghana*  
**Country Representative** *June 2017 – December 2018*

* Led policy advocacy efforts that secured coverage for childhood cancer treatment under Ghana’s National Health Insurance, benefiting over 10,000 children.
* Established a national treatment network, improving early diagnosis rates by 40%.
* Enhanced data collection processes, increasing efficiency of advocacy tracking efforts by 50%.

**World Child Cancer** *Accra, Ghana*

**Project Coordinator** *May 2015 – June 2017*

* Championed health policy initiatives, securing treatment coverage for childhood cancer under national insurance.
* Built a national treatment network that improved early diagnosis rates by 40%.
* Improved advocacy tracking efficiency by 50%.

**CARE International in Ghana** *Kumasi, Ghana*  
**Project Officer** *October 2008 – June 2015*

* Managed project teams, reducing staff turnover by 30% through effective recruitment and performance management.
* Coordinated project life cycles, achieving a 25% increase in efficiency.

JOBBOARDS.

<https://www.monster.com/>

<https://www.ziprecruiter.com/>

[**Interview Query**](https://www.interviewquery.com/p/data-science-jobs-boards#1-interview-query)

[**Wellfound (Formerly AngelList Talent)**](https://www.interviewquery.com/p/data-science-jobs-boards#2-wellfound-formerly-angellist-talent)

[**Instahyre**](https://www.interviewquery.com/p/data-science-jobs-boards#3-instahyre)

[**Hirist**](https://www.interviewquery.com/p/data-science-jobs-boards#4-hirist)

[**Open Data Science (ODSC)**](https://www.interviewquery.com/p/data-science-jobs-boards#5-open-data-science-odsc)

[**DataJobs.com**](https://www.interviewquery.com/p/data-science-jobs-boards#6-datajobscom)

[**DataYoshi**](https://www.interviewquery.com/p/data-science-jobs-boards#7-datayoshi)

[**Data Umbrella**](https://www.interviewquery.com/p/data-science-jobs-boards#8-data-umbrella)

[**Outer Join**](https://www.interviewquery.com/p/data-science-jobs-boards#9-outer-join)

[**Blind**](https://www.interviewquery.com/p/data-science-jobs-boards#10-blind)

[**Starbridge Partners**](https://www.interviewquery.com/p/data-science-jobs-boards#11-starbridge-partners)

[**Underdog**](https://www.interviewquery.com/p/data-science-jobs-boards#12-underdog)

[**Arc.Dev**](https://www.interviewquery.com/p/data-science-jobs-boards#13-arcdev)

[**Untapped (Formerly Jumpstart)**](https://www.interviewquery.com/p/data-science-jobs-boards#14-untapped-formerly-jumpstart)

[**Ai-Jobs**](https://www.interviewquery.com/p/data-science-jobs-boards#15-aijobs)

**3. Add other jobbard sources that are not listed**

**Practice**

**[Interview Questions](https://www.interviewquery.com/questions)**

**[Practice data science interview questions asked in actual interviews from top companies.](https://www.interviewquery.com/questions)**

**[Challenges](https://www.interviewquery.com/challenges)**

**[Test your wit against other users and see how your skills compare.](https://www.interviewquery.com/challenges)**

**[Takehomes](https://www.interviewquery.com/takehomes)**

**[Jumpstart your projects in a step-by-step fashion through takehomes from top tech companies.](https://www.interviewquery.com/takehomes)**

**Simulate**

**[Mock Interviews](https://www.interviewquery.com/mock-interviews)**

**[Hone your interviewing skills with your peers with mock interview sessions.](https://www.interviewquery.com/mock-interviews)**

**[AI Interviewer](https://www.interviewquery.com/ai-interview)**

**[Assess your technical and communication interview skills in an interview with AI Interviewer.](https://www.interviewquery.com/ai-interview)**

**[Coaching](https://www.interviewquery.com/coaching)**

**[Connect with our curated list of top industry professionals and ace your next data science interview!](https://www.interviewquery.com/coaching)**

**Learning Paths**

**[All Learning Paths](https://www.interviewquery.com/learning-paths)**

**[Explore different learning paths to help you prepare for your next interview.](https://www.interviewquery.com/learning-paths)**

**[[Data Structures and Algorithms Interview](https://www.interviewquery.com/learning-paths/data-structures-and-algorithms-interview)](https://www.interviewquery.com/learning-paths/data-structures-and-algorithms-interview)**

**[Data Structures and Algorithms Interview](https://www.interviewquery.com/learning-paths/data-structures-and-algorithms-interview)**

**[Unlock the power of efficient computing with proper data organization and manipulation through basic algorithms.](https://www.interviewquery.com/learning-paths/data-structures-and-algorithms-interview)**

**[[Data Science Interview](https://www.interviewquery.com/learning-paths/data-science-interview)](https://www.interviewquery.com/learning-paths/data-science-interview)**

**[Data Science Interview](https://www.interviewquery.com/learning-paths/data-science-interview)**

**[Master the wide range of data science interview questions.](https://www.interviewquery.com/learning-paths/data-science-interview)**

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**[Data Analytics Interview](https://www.interviewquery.com/learning-paths/data-analytics-interview)**

**[In this course we will learn how to tackle data analytics problems](https://www.interviewquery.com/learning-paths/data-analytics-interview)**

**[[Data Engineering Interview](https://www.interviewquery.com/learning-paths/data-engineering-interview)](https://www.interviewquery.com/learning-paths/data-engineering-interview)**

**[Data Engineering Interview](https://www.interviewquery.com/learning-paths/data-engineering-interview)**

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**[Product Metrics Interview](https://www.interviewquery.com/learning-paths/product-metrics-interview)**

**[Understand how to use product metrics and analytics to influence decisions](https://www.interviewquery.com/learning-paths/product-metrics-interview)**

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**new**

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**[View salaries based on location, company, and seniority.](https://www.interviewquery.com/salaries)**

**[Job Board](https://www.interviewquery.com/jobs)**

**[Find your next dream job on our data science job board.](https://www.interviewquery.com/jobs)**

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[**Mock Interviews are Live! Someone's waiting for you to mock interview, click to join.**](https://www.interviewquery.com/mock-interviews)

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**15 Best Job Boards for Data Science Roles (Updated in 2025)**

**Start your job search with these helpful job sites for data scientists.**

**Written byIQ Team**

**Reviewed byIQ Team**

**Published February 7, 2025**

**Estimated reading time: 12 minutes**

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[**The Bottom Line**](https://www.interviewquery.com/p/data-science-jobs-boards#the-bottom-line)

**Overview**

**The data science industry is projected to reach a valuation of**[**$776.86 billion**](https://www.fortunebusinessinsights.com/data-science-platform-market-107017)**by 2032 with the addition of another**[**73,000 expected jobs**](https://www.bls.gov/ooh/math/data-scientists.htm)**, is actively seeking individuals with a passion for problem-solving and strong critical-thinking skills in 2024.**

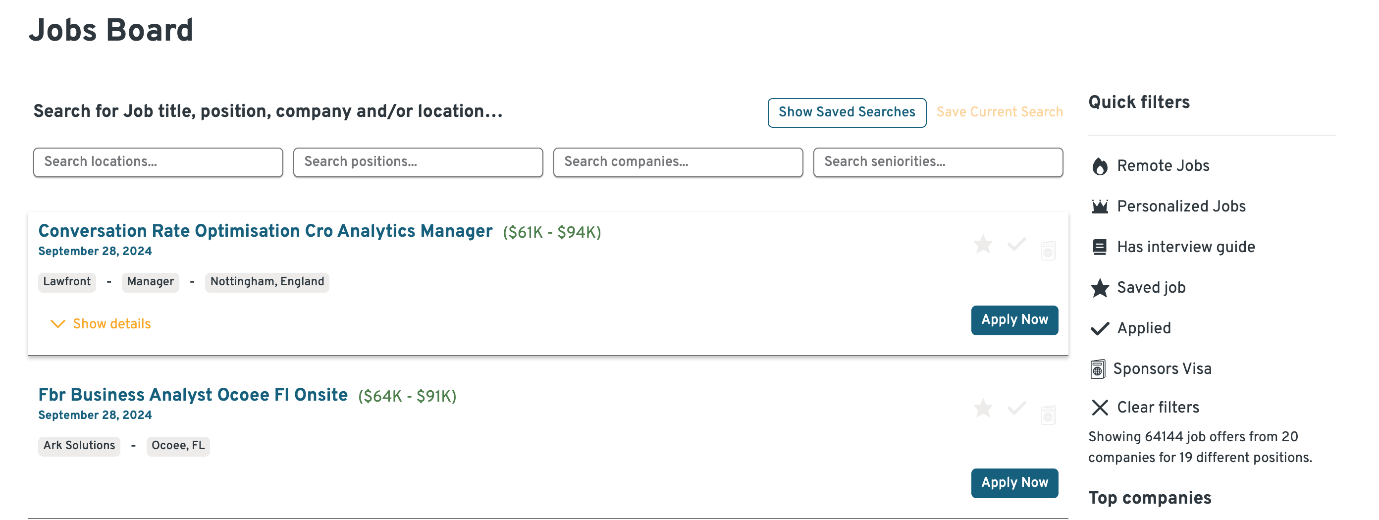
**With hundreds of job listings appearing on the best data science and data analyst job boards and professional networking platforms like LinkedIn and Indeed, finding relevant data science roles that match your skills and are worth your time can be a challenge, even with proper filtering and keywords.**

**For example, you might come across a data science job posting that seems like the perfect match, only to find out during the application process that it was filled months ago or that the job description has changed but wasn’t updated on the platform.**

**The only solution to these issues is dedicated data science job boards—platforms that focus on roles for data scientists, data engineers, machine learning specialists, etc. The best job boards for data science make relevant leads accessible to job hunters like yourself.**

**In this article, we’ve rounded up data science and data analyst job boards that show fresh opportunities and will help you keep your finger on the pulse of the entire job market.**

**1. Interview Query**

****

**Catering to data scientists, data analysts, and data engineering candidates, Interview Query is the ultimate tool for interview preparation. It offers interactive features and a rich knowledge base.**

**Our**[**Job Board**](https://www.interviewquery.com/jobs)**is stacked with over 64,000 opportunities (automatically updated). Whether you’re looking for an entry-level opportunity or seeking the leadership role you’ve been eyeing, we have everything you need to land the job.**

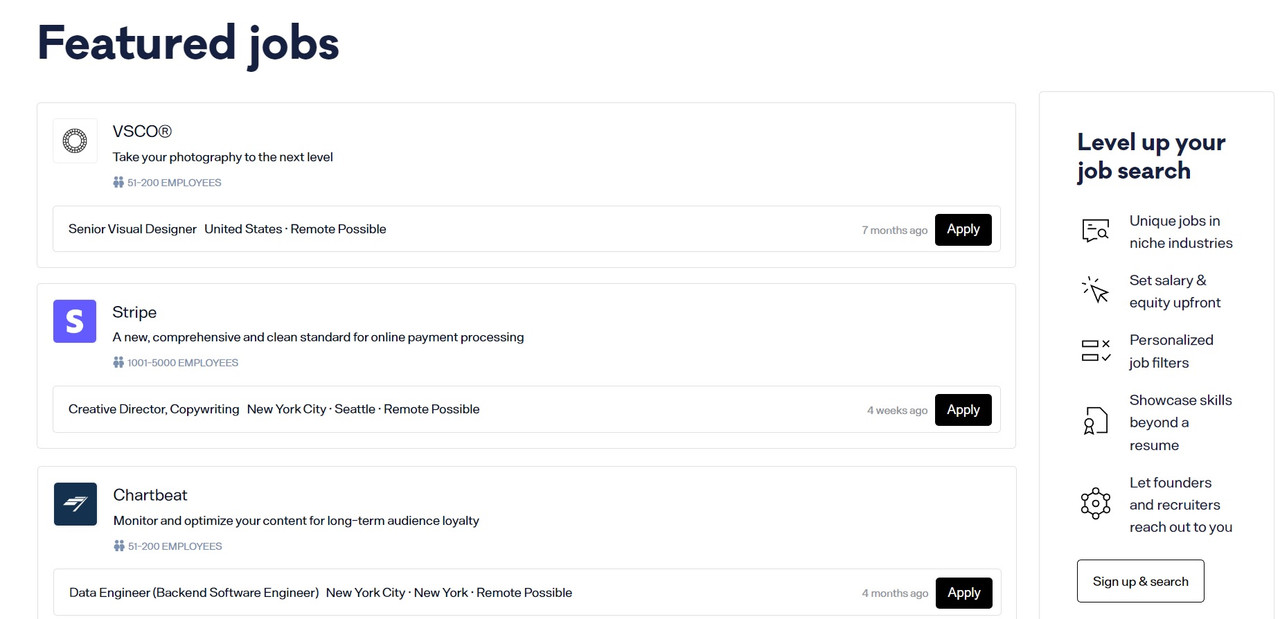
**We’ve also added the ability to search by a variety of factors like location (including more than 5,000**[**remote data science jobs**](https://www.interviewquery.com/jobs?searchQuery=&ordering=DatePosted&pageSize=20&page=0&location=Remote)**), companies (**[**Amazon**](https://www.interviewquery.com/jobs?searchQuery=&ordering=DatePosted&pageSize=20&page=0&location=Remote&companies=Amazon)**is the top company with more than 2,000 postings), job title (30+ positions like**[**data scientist**](https://www.interviewquery.com/jobs?searchQuery=&ordering=DatePosted&pageSize=20&page=0&positions=Data+Scientist)**and**[**machine learning engineer**](https://www.interviewquery.com/jobs?searchQuery=&ordering=DatePosted&pageSize=20&page=0&positions=Machine+Learning+Engineer)**), and visa sponsorship (currently, over 14,000 jobs).**

**With many user-centric features, we’ve got you covered from start to finish. Need help cracking that next job? Our**[**Learning Paths**](https://www.interviewquery.com/learning-paths)**(subject-matter guides) will help you build knowledge on different concepts to ace your interview, and our newest**[**AI Interviewer**](https://www.interviewquery.com/ai-interview)**feature also allows you to practice your skills and get real-time feedback anytime.**

**Key Features:**

* [**P2P Mock Interviews**](https://www.interviewquery.com/mock-interviews)**to get matched with other candidates**
* **Top-level**[**personal coaching**](https://www.interviewquery.com/coaching)**with industry experts**
* **Thousands of interview questions with solutions, including technical and behavioral problems**
* [**Industry-specific salary guide**](https://www.interviewquery.com/salaries)**based on location, company, and seniority**
* **Industry-relevant resources, including**[**blogs**](https://www.interviewquery.com/blog)**and**[**interview guides**](https://www.interviewquery.com/companies)

**2. Wellfound (Formerly AngelList Talent)**

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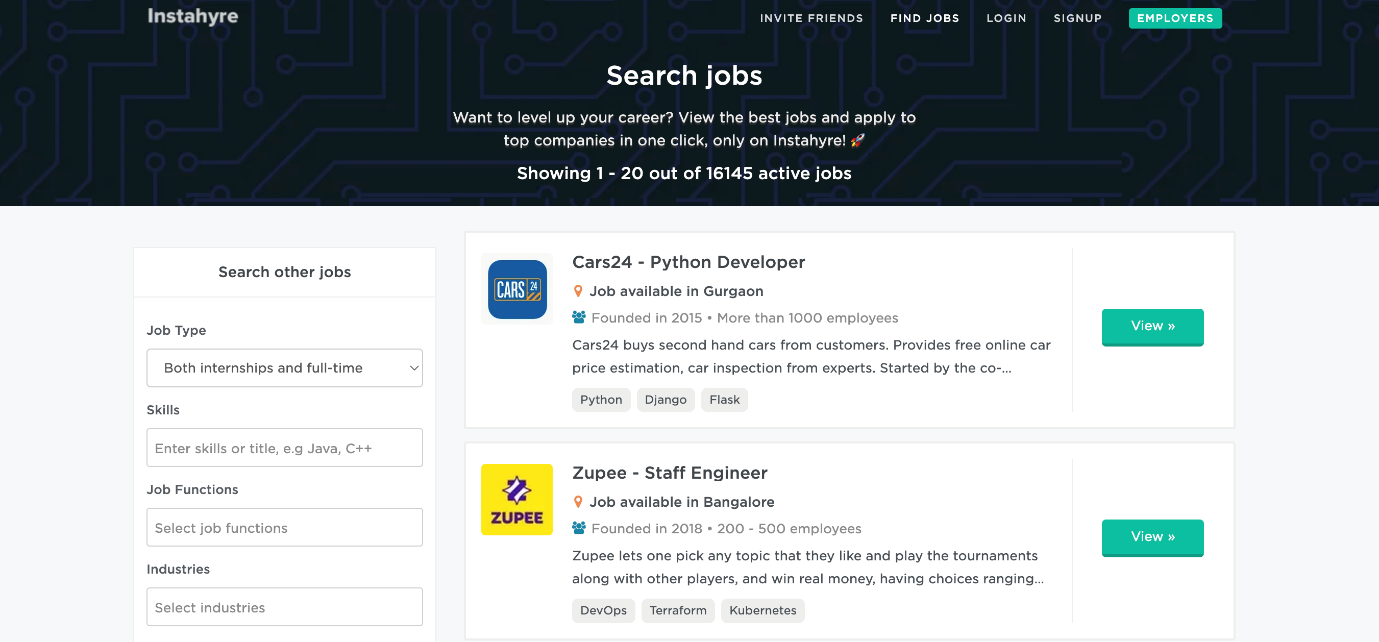
**Focused on curated startup job postings and company culture and values,**[**Wellfound**](https://wellfound.com/)**aims to match you with companies that align with your career goals and personal values. It also offers you direct access to application forms through its portal.**

**Wellfound has over 150,000 tech jobs posted on its job board, including data science and data analyst positions. Some of the startups scouring these platforms for top talent include DoorDash, Peloton, IFTTT, Plaid, and Airtable. These startups have recently found success in their respective fields and are actively seeking data scientists to solidify their base further.**

**Key Features:**

* **Trending startups that are currently hiring**
* **Key features about the company, including the number of employees and funding status**
* **Hiring manager response time**
* **Easy and direct application through the Wellfound portal**

**3. Instahyre**

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**Using AI, Insatahyre filters through the listings and matches you with the right job at the right time. It uses AI algorithms to match candidates with relevant jobs based on their skills, experience, and career aspirations.**

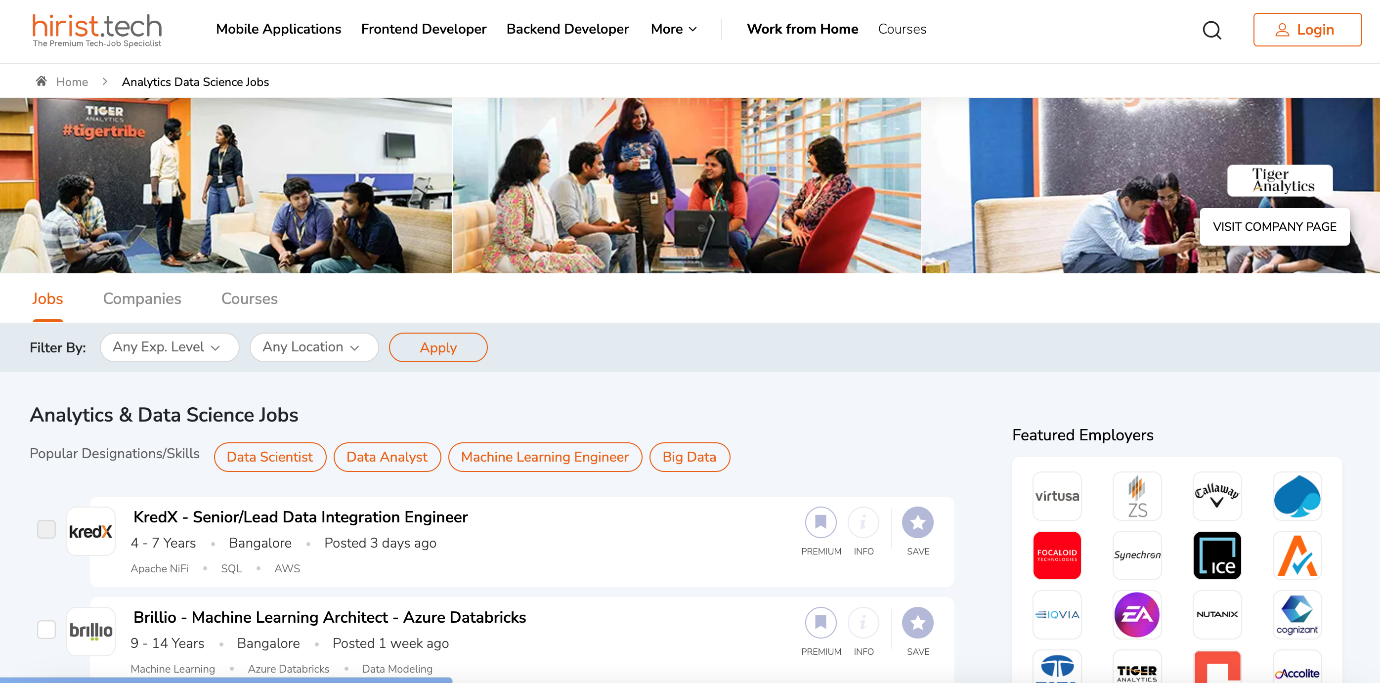
**Reportedly, their system leads to a 5x response rate than other dedicated job boards for data science. The recruiters get a curated list of top candidates like yourself to provide a seamless and pleasant hiring experience.**

**More than 10K companies, including Google, Amazon, Flipkart, Microsoft, Walmart, and Uber, frequently post their data science requirements on Instahyre to reach you from the premium database of applicants.**

**Key Features:**

* **AI-powered job filtration technology to ensure minimal mismatch and maximum response rate.**
* **No fake jobs. Minimizing spam and the probability of being scammed.**
* **Company-specific privacy settings. You can block specific companies to view your profile.**

**4. Hirist**

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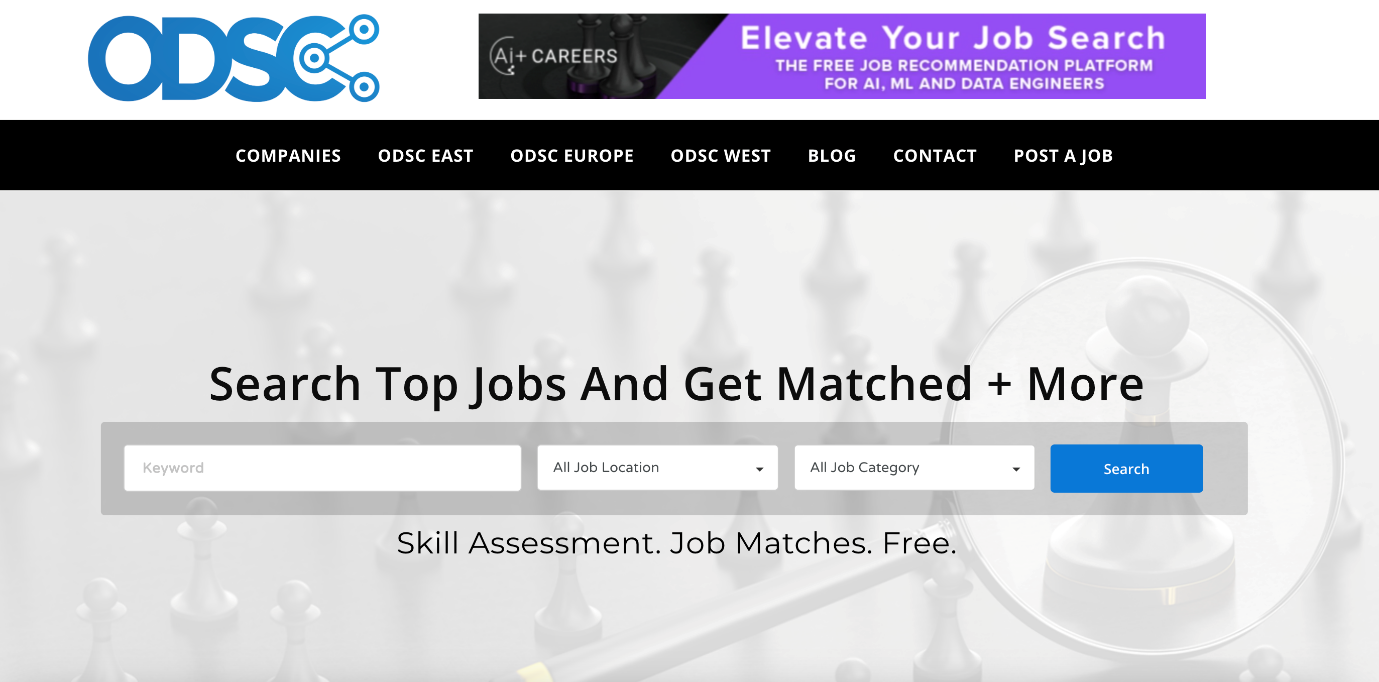
**Giving you easier access through their mobile-first interface,**[**Hirist**](https://www.hirist.tech/c/analytics-data-science-jobs.html?ref=topnavigation)**uses artificial intelligence to find suitable companies for you from their vast database. Their job recommendation engine suggests relevant job opportunities based on your profile, with information on salary ranges and interview guidance. Hirist also offers to build professional resumes and cover letters to personalize your job applications.**

**Leading tech companies that consistently hire data scientists through Hirist include Ola, Amazon, Flipkart, Swiggy, and many more. Hirist also allows job listing filtering based on location, keywords, and experience.**

**Key Features:**

* **Focuses mostly on mobile apps. The whole Hirist interface is optimized for mobile devices.**
* **Assists candidates in transitioning to new careers or industries.**
* **Shows the number of already existing applications for specific jobs.**

**5. Open Data Science (ODSC)**

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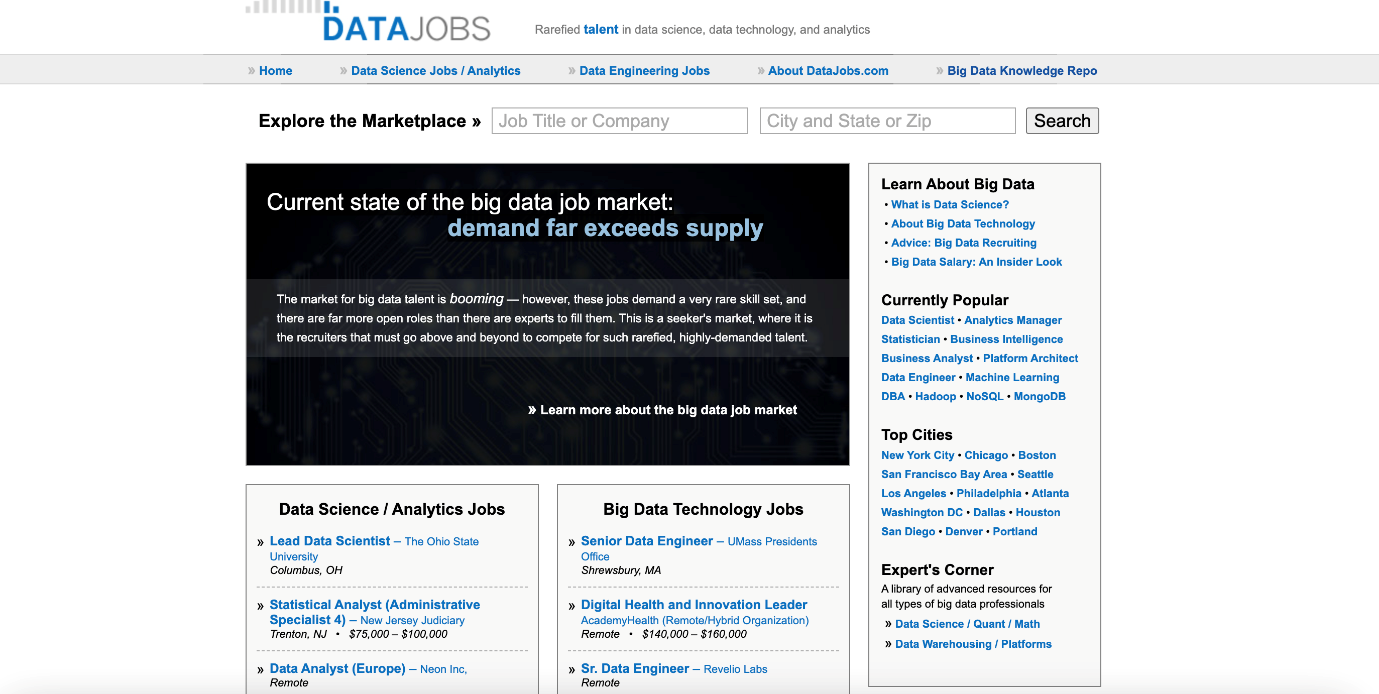
**Primarily known for its data science conferences,**[**Open Data Science (ODSC)**](https://odsc.com/)**also features a job board for data science and AI professionals. It’s dedicated to promoting open data science practices and collaboration. It offers a variety of educational resources, including tutorials, courses, and webinars, in addition to providing a job board specific to data scientists.**

**ODSC organizes data science challenges and competitions to foster innovation and, through its mentorship program, strives to connect experienced data scientists with aspiring professionals. To bring the data science community together, they also host online and in-person events.**

**Key Features:**

* **Dedicated to data science, AI, and machine learning job roles.**
* **Companies posting jobs are often connected to the ODSC global community.**
* **Access to networking opportunities through ODSC conferences and events.**

**6. DataJobs.com**

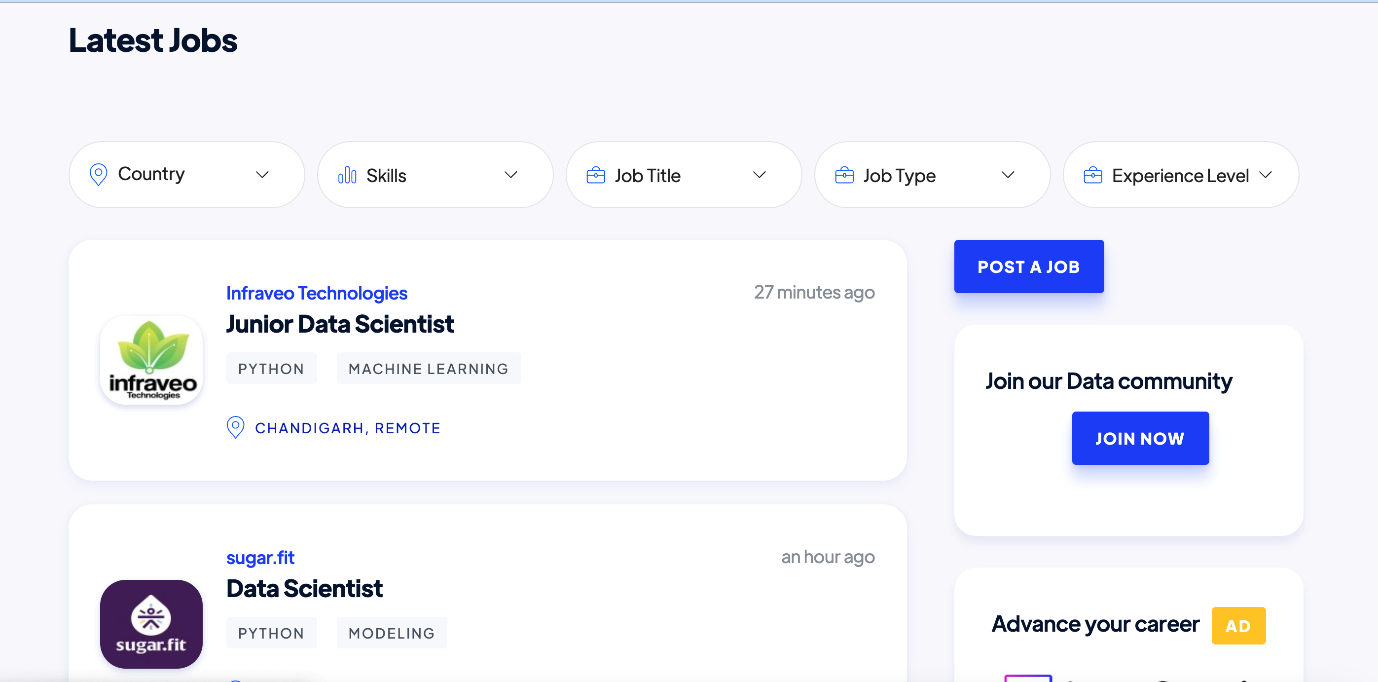
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**Focusing exclusively on data science, analytics, and data engineering roles,**[**DataJobs**](https://datajobs.com/)**provides a platform for professionals to find job opportunities ranging from data engineering to business intelligence and data management roles across various industries. It also has a simple design that offers insight into industry trends and salary information.**

**Key Features:**

* **Offers resources for job seekers, including articles and advice on career development in the data field.**
* **Clear categorization of roles for data science professionals, including machine learning, data analysis, and business intelligence.**
* **Sends notifications for new job postings that match a candidate’s criteria.**

**7. DataYoshi**

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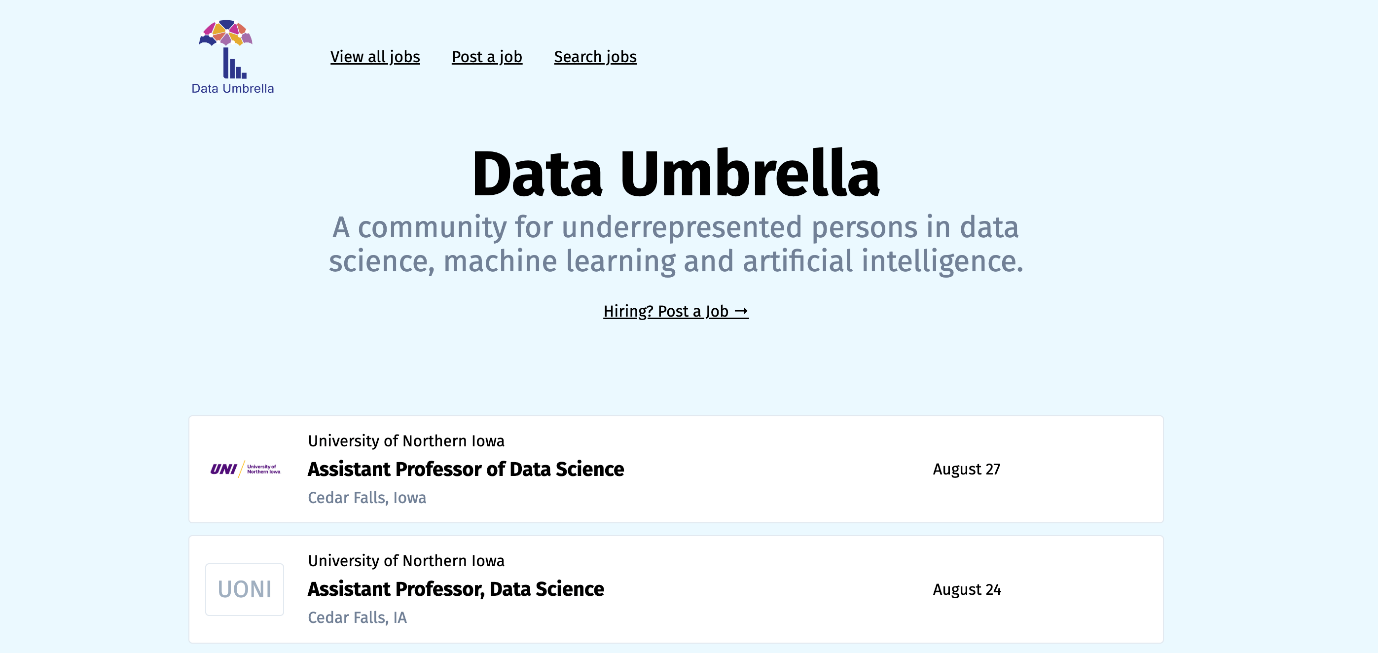
[**DataYoshi**](https://datayoshi.com/)**is a dedicated job board for data scientists, analysts, engineers, and AI professionals. It features a curated list of data-focused jobs from companies worldwide, particularly in Europe, the US, and remote positions. It also focuses on using AI to match you with relevant job opportunities.**

**Moreover, DataYoshi assesses your skills and abilities through online tests to present your profile to recruiters who are more likely to accept your resume and invite you to a data science interview. They also offer personalized career guidance and a resume builder to help you gain a competitive edge.**

**Key Features:**

* **Provides practice interviews and mock questions.**
* **Allows users to read reviews from employees and rate companies.**
* **Helps candidates create professional resumes and cover letters.**

**8. Data Umbrella**

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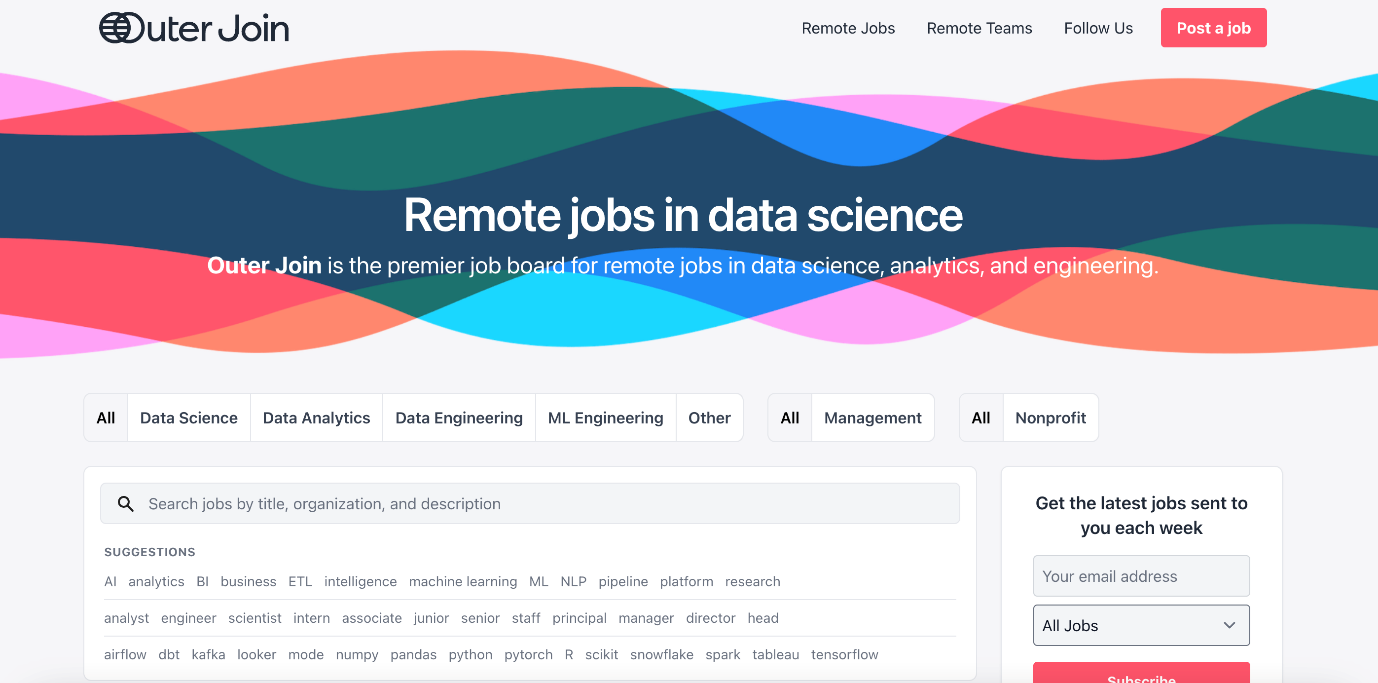
**Covering various fields, entry-level to senior positions,**[**Data Umbrella**](https://www.dataumbrella.org/)**is a comprehensive job board focusing on data science, analytics, and data engineer roles. While it typically lists data science requirements in research sectors, company-specific roles may be found on its comprehensive website.**

**You’ll find various filters on Data Umbrella, allowing you to search for jobs based on specific domains and industries. Most of the job listings on Data Umbrella offer insight into the salary ranges for different data science roles.**

**Key Features:**

* **Very comprehensive and easy-to-use UI without any redundant features.**
* **Provides detailed information about companies and their data science teams.**
* **Helps you access more entry-level data science jobs that are often overlooked by other job boards.**

**9. Outer Join**

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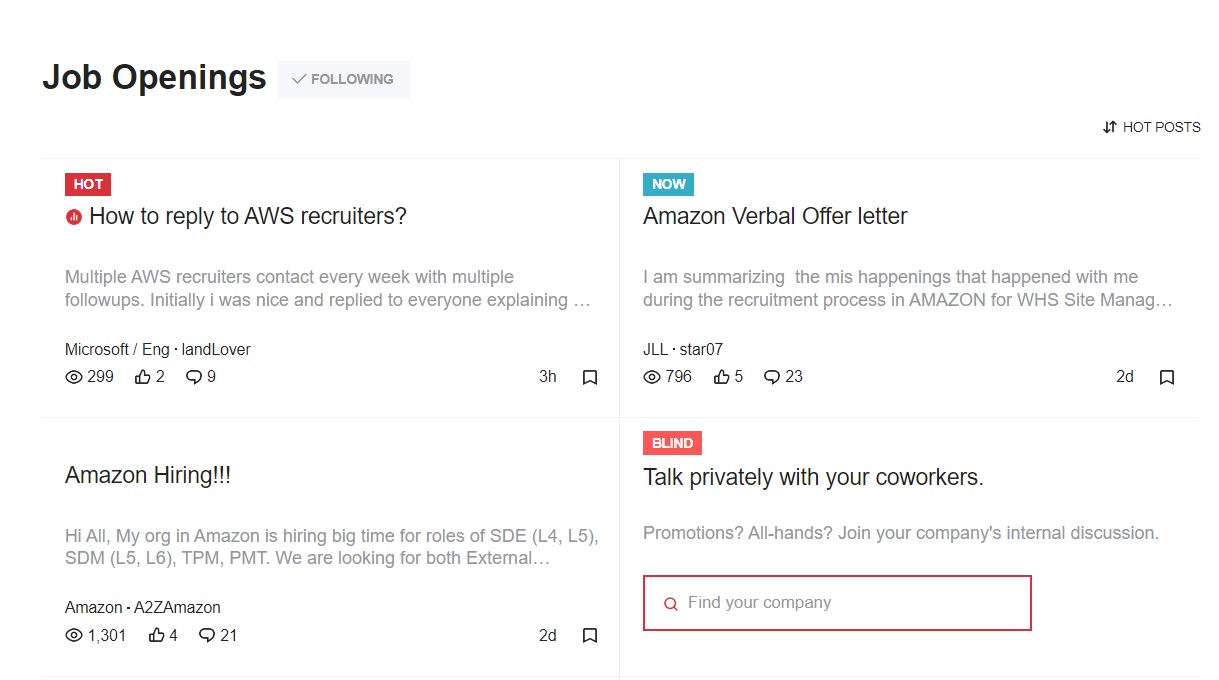
**Specializing in remote-only positions, making it perfect for those seeking flexibility and work-from-anywhere roles,**[**Outer Join**](https://outerjoin.us/)**is among the best data science job boards focused on remote opportunities for data professionals, including data scientists, engineers, and analysts.**

**Outer Join specializes in remote data jobs, catering to the increasing demand for flexibility in work arrangements, allowing data professionals to find opportunities globally without geographical limitations. It also has job listings across diverse industries, including tech, healthcare, and finance.**

**Key Features:**

* **Exclusively remote positions in data science, data engineering, and analytics.**
* **A user-friendly interface that allows for easy job filtering based on location, skills, and experience level.**
* **Focus on a variety of employment types, from full-time roles to freelance and contract work**

**10. Blind**

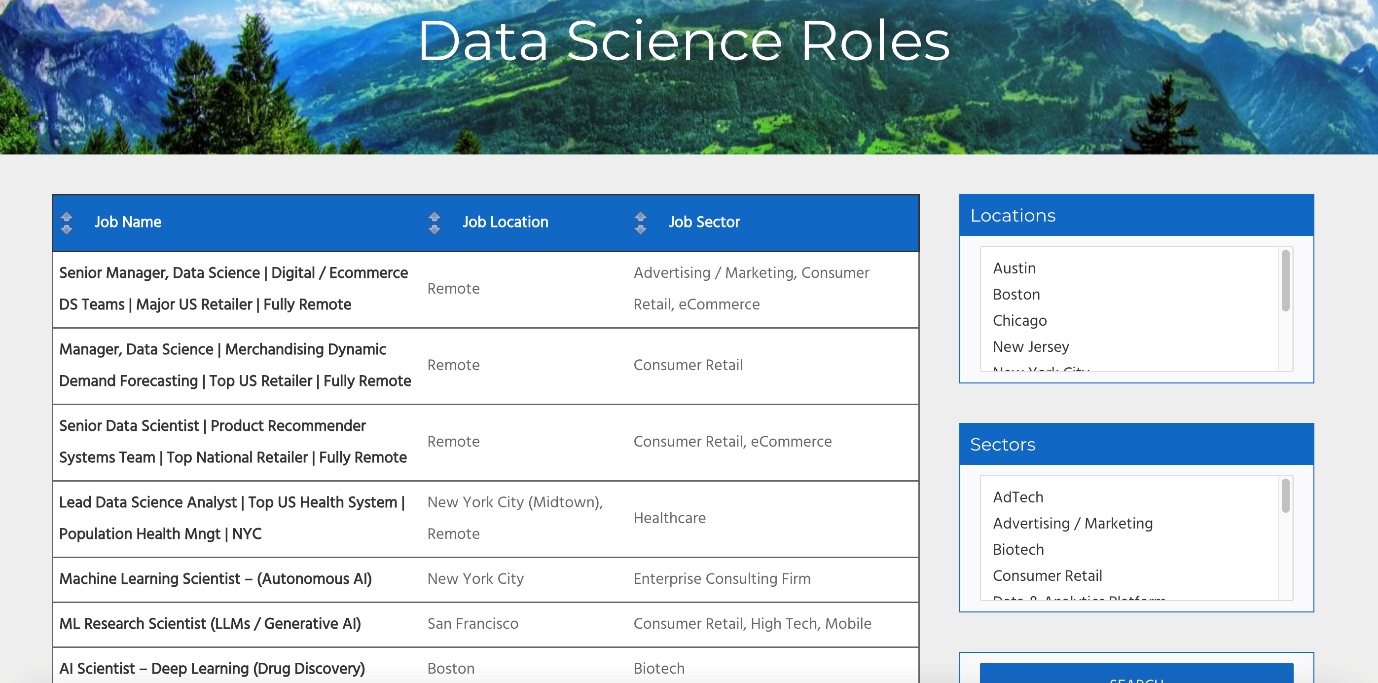
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**Known for its anonymous community platform where professionals can discuss work-related matters and network,**[**Blind**](https://www.teamblind.com/jobs)**also offers job opportunities to data science candidates.  The platform allows existing employees to share insider information about company culture, compensation, and more, providing transparency to help you make informed decisions.**

**Key Features:**

* **Anonymous forums for candid discussions on salary, benefits, and workplace culture.**
* **Provides company-specific insights and employee reviews that might help you assess potential employers.**
* **Access to a large professional network, fostering connections and referrals.**

**11. Starbridge Partners**

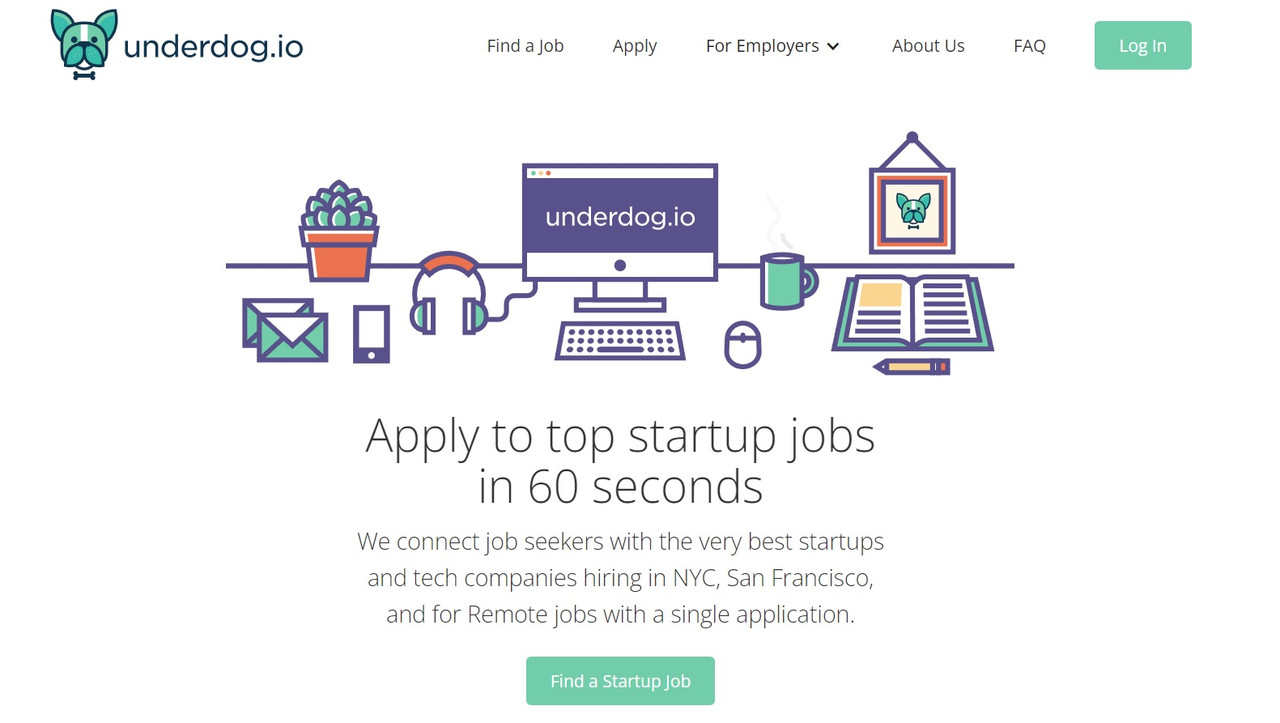
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[**Starbridge Partners**](https://starbridgepartners.com/job-listing/)**is a boutique executive search firm and job board specializing in data science, machine learning, and advanced analytics roles. The platform focuses on placing top-tier candidates in high-level positions with prominent companies across industries. It’s mainly an executive and senior-level recruitment platform, making it suitable for experienced data professionals seeking leadership roles.**

**Key Features:**

* **Executive search for high-level data science, AI, and analytics roles.**
* **Offers a confidential job search process.**
* **Personalized support for job seekers, with expert advice and career coaching from industry professionals.**

**12. Underdog**

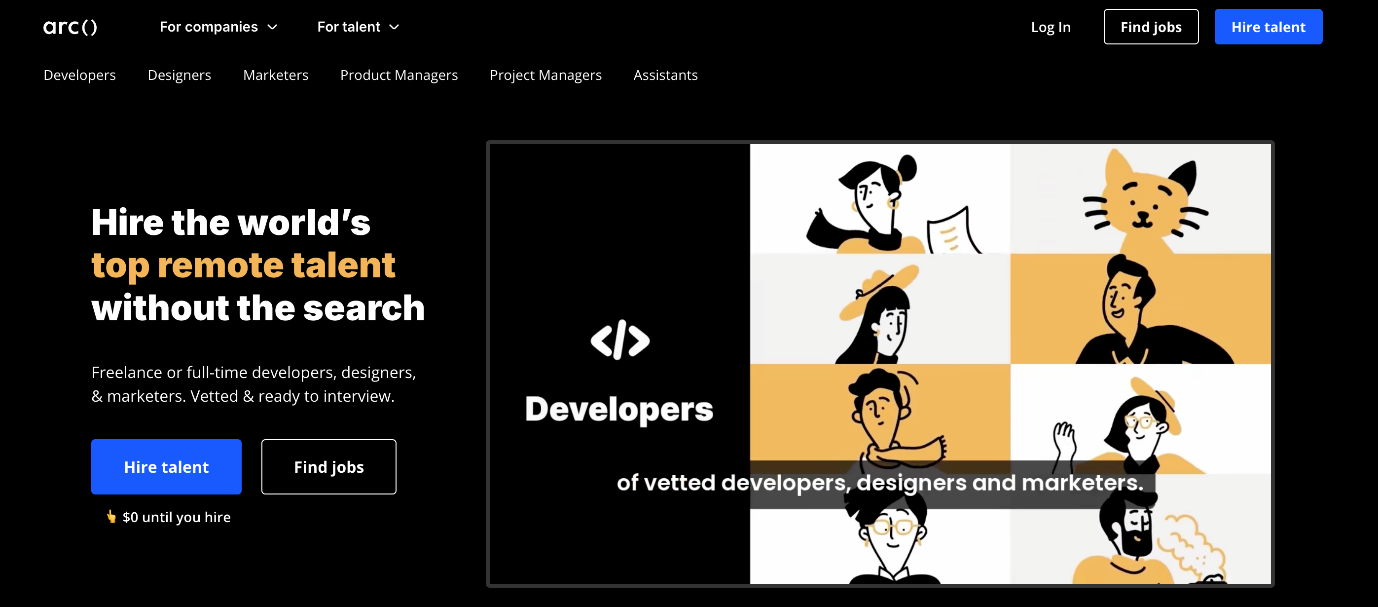
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**Connecting you with startups and fast-growing companies, Underdog provides a streamlined experience for job seekers and employers by using a personalized matching algorithm to pair candidates with the right opportunities. It strives to connect underrepresented candidates with tech companies. It also provides personalized job recommendations using AI-based matching.**

**Key Features:**

* **Offers mentorship opportunities to help underrepresented candidates succeed.**
* **Provides a supportive community for candidates from diverse backgrounds.**
* **Focuses on tech roles, including software engineering, data science, product management, and design.**

**13. Arc.Dev**

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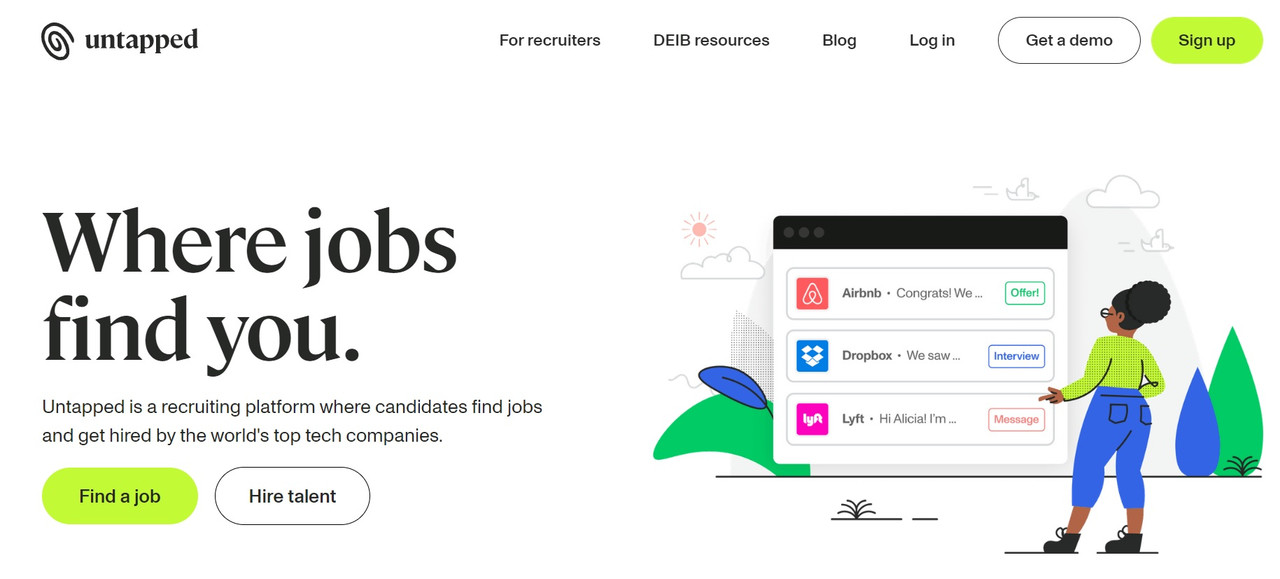
[**Arc.Dev**](https://arc.dev/)**is a data science job board designed for remote positions, including data engineers and data scientists. It connects top remote talent with global companies and offers full-time, part-time, and contract-based roles. Arc uses a rigorous vetting process to ensure high-quality matches between employers and developers.**

**Blackline Safety, Change.org, Hegla, Avant, and Netflix are the prominent startups and organizations that are currently hiring through Arc.Dev.**

**Key Features:**

* **Specializes in remote positions for developers, engineers, and data professionals.**
* **Offers support for freelancers to connect with companies looking for project-based talent.**
* **Rigorous vetting process for candidates to ensure a high skill level.**

**14. Untapped (Formerly Jumpstart)**

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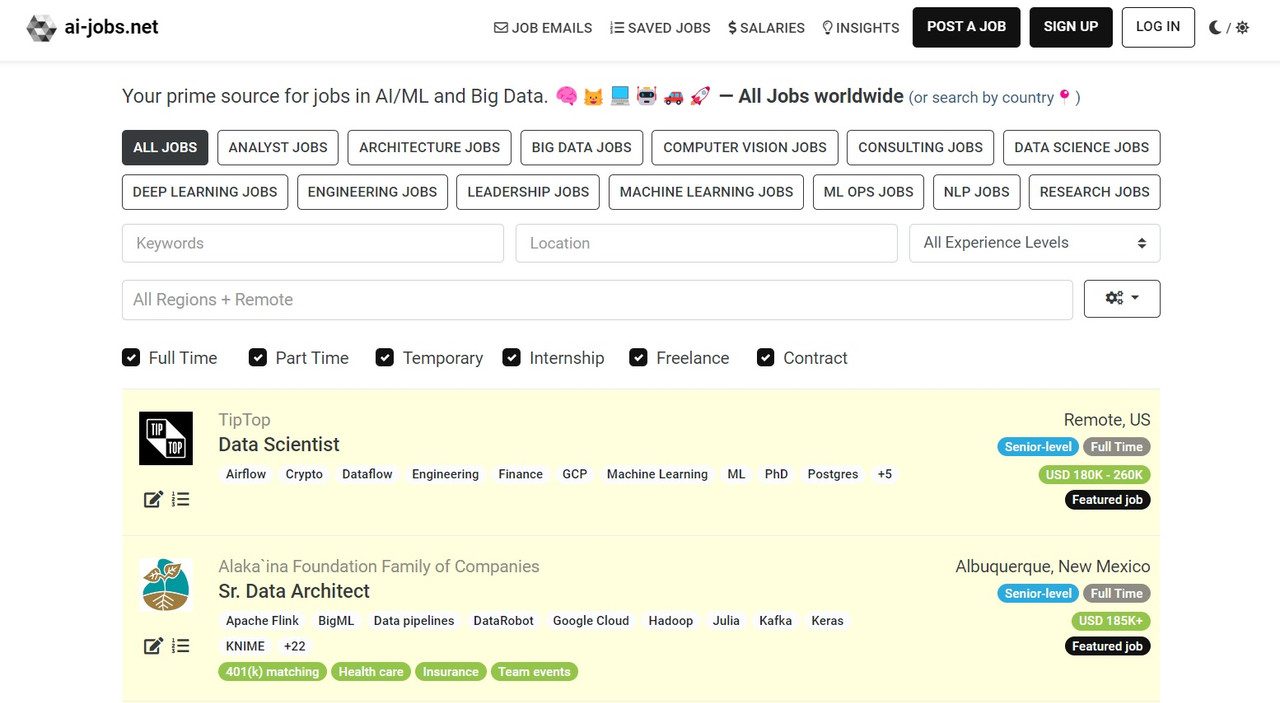
**A diversity-focused data science job board and talent marketplace,**[**Untapped**](https://www.untapped.io/)**connects candidates with inclusive employers. It provides job seekers access to various tech roles while helping companies build more diverse teams. It also provides tools for companies to track and improve their diversity hiring practices.**

**Companies currently hiring through Untapped include Lyft, Duolingo, Twitch, Qualcomm, and more.**

**Key Features:**

* **Focus on diversity and inclusion, providing opportunities for underrepresented groups in tech.**
* **Personalized recommendations for jobs, internships, and networking opportunities.**

**15. Ai-Jobs**

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**Ai-jobs.net is a job board dedicated to AI, machine learning, and data science roles. It features curated listings from companies across various industries that are looking for AI talent, including data engineers, AI researchers, and machine learning engineers. Ai-Jobs is the ideal platform for data science professionals exploring opportunities in cutting-edge fields like deep learning, computer vision, and natural language processing.**

**Key Features:**

* **Specializes in AI, machine learning, and data science job roles.**
* **Features various employment types, including full-time, freelance, and contract work.**
* **Easy-to-use platform with filtering options for specific job roles, experience levels, and remote positions.**

**The Bottom Line**

**Demand for data science professionals remains high in 2025, with key data science trends shaping the field. Now that we’ve discussed the best job boards for data science, let’s conclude with some areas where you can focus your job search.**

**In the data science sector, machine learning, especially deep and reinforcement learning, is highly sought after, alongside skills in NLP for chatbots and virtual assistants. Expertise in computer vision and data science is also increasingly essential, while data privacy and bias mitigation continue to gain importance.**

**Cloud-based data science, using platforms like AWS and Azure, is rising. Finally, data scientists with strong business knowledge are valued for their ability to solve real-world problems effectively.**

**We hope you find this list helpful, and we wish you the best in your job search!**

**Related articles**

[**Is Data Science a Good Major in 2025?**](https://www.interviewquery.com/p/data-science-major)[**What Is a Business Analyst? Career Path, Salary & Key Skills in 2025**](https://www.interviewquery.com/p/business-analyst-career-path)[**February Data Science Job Market Report (2025)**](https://www.interviewquery.com/p/february-data-science-job-market-2025)[**Cohort Study vs. Case Control**](https://www.interviewquery.com/p/cohort-study-vs-case-control)[**SQL Length of String**](https://www.interviewquery.com/p/sql-length-of-string)

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