2025

JOB SCRAPPING TOOL

Save Time Finding Job Listings

Okello Raymond

Data Analyst

2/8/2025

JOB SCRAPPING TOOL

1 INTRODUCTION

Manually searching for job listings across multiple pages is time-consuming. From more than 50 pages on the web while navigating back and forth through the 'Next and Previous' buttons, this tool automates the manual process of constantly scrolling by extracting and retrieving those important job details into an excel file with related links.

2 BENEFITS

- Sharing job listing to friends and family is easier when it is just one file
- Save time and internet by spending less time searching through manually
- Unsubscribe from job listing site which spams your email, you can only run the tool when you are ready to hunt a job
- Filters only current job listing available in your location or desired work place

3 HOW IT WORKS

3.1 VISUALS
- ☑ A screenshot of a sample Excel file. While the website consists of more than 60 pages to scroll, most job listings beyond page 20 are past their application deadlines, the program asks for the user to enter between pages 1 to 20.

	District Planner	Kassanda, Uganda	Feb, 07
	Kassanda District Local Government	Full-time	NEW
	District Production Officer	Kassanda, Uganda	Feb, 07
	Kassanda District Local Government	Full-time	NEW
TUNGA	Vonage Telephony Implementation Specialist	Kampala, Uganda	Feb, 07
	Tunga Nutrition Uganda Limited	Full-time	NEW

1 2 3 … 61 ›

- ☑ A screenshot of a sample Excel file. The excel file is well structured with Job title, Company and Location for the user to easily filter the most suitable choice for them.

JOB TITLE	COMPANY	LOCATION	JOB TYPE	DATE	RECENCY	LINK
Data Scientist	Raising The Village	Kampala	Contract	Feb, 06	New	https://everjobs.ug/job/data-scier
Data Analyst - Program Monitoring	Raising The Village	Kampala	Contract	Feb, 06	New	https://everjobs.ug/job/data-anal
Field Coordinator	African Clean Energy (ACE)	Lira	Full-time	Feb, 06	New	https://everjobs.ug/job/field-coor
Higher Education Officers-Statistics and Data Manageme	National Council for Higher Education	Kampala	Full-time	Feb, 06	New	https://everjobs.ug/job/higher-ed
Data Protection and Legal Associate	Sentinel Africa Consulting Limited	Kampala	Full-time	Feb, 05	New	https://everjobs.ug/job/data-prot
Data Clerks (2)	Yalelo Uganda	Kampala	Full-time	Feb, 05	New	https://everjobs.ug/job/data-clerk
Tech Support Consultant (Agricultural Data Collection Ap	Aldelia	Kampala	Full-time	Feb, 03	New	https://everjobs.ug/job/tech-supp
Mechanical Engineer	Soroti Fruits Limited	Soroti	Full-time	Feb, 01	New	https://everjobs.ug/job/mechanic
Assistant Marketing Manager	Soroti Fruits Limited	Soroti	Full-time	Feb, 01	New	https://everjobs.ug/job/assistant-ı
Regional Sales Manager	Soroti Fruits Limited	Soroti	Full-time	Feb, 01	New	https://everjobs.ug/job/regional-s
Procurement & Logistics Officer	Soroti Fruits Limited	Soroti	Full-time	Feb, 01	New	https://everjobs.ug/job/procurem
Factory Production Manager	African Clean Energy (ACE)	Gulu	Full-time	Jan, 31	New	https://everjobs.ug/job/factory-pr
Supply and Installation of Business Intelligence and Data	Uganda Electricity Generation Company	Kampala	Full-time	Jan, 31	New	https://everjobs.ug/job/supply-an
Invitation for Sealed bids from Eligible Bidders for Procur	Soroti University	Soroti	Full-time	Jan, 31	New	https://everjobs.ug/job/invitation
Higher Education Officers-Audit, Monitoring & Complian	National Council for Higher Education	Kampala	Full-time	Feb, 06	New	https://everjobs.ug/job/higher-ed
Project Monitoring and Evaluation Officer	Action for Rural Women's Empowerment	Namusera	Contract	Feb, 04	New	https://everjobs.ug/job/project-m
Monitoring, Evaluation and Learning Officer	Farm Africa	Moroto	Contract	Jan, 30	Jan, 30	https://everjobs.ug/job/monitorin
Business Intelligence & Reporting Analyst	Rural Digital Media (U) Limited (RDM)	Kampala	Full-time	Feb, 04	New	https://everjobs.ug/job/business-i
UN Women JPO – Gender in Humanitarian Action Progra	United Nations Entity for Gender Equality	Kampala	Contract	Feb, 03	New	https://everjobs.ug/job/un-wome
Lending Risk Analyst	KCB Bank	Kampala	Full-time	Feb, 03	New	https://everjobs.ug/job/lending-ri

☑ A code snippet of the project.

```python
def scrape_jobs(num_pages):
    job_list = []

    for page_no in range(1, num_pages + 1):
        print(f"Scraping page {page_no}...")
        url = f'https://everjobs.ug/page/{page_no}/'
        page = requests.get(url)
        soup = BeautifulSoup(page.text, 'html.parser')

        job_table = soup.select('table', id="wpjb-job-list")
        for job in job_table:
            job_info = job.find_all('tr')
            for job in job_info:
                try:
                    items = {
                        'Job Title': job.find('a').text,
                        'Company': job.find('small').text.strip(),
                        'Location': job.find('td', class_="wpjb-column-location").text.strip().split(',')[0],
                        'Job Type': job.find('td', class_="wpjb-column-location").text.strip().split('\n\n')[-1],
                        'Date': job.find('td', class_="wpjb-column-date wpjb-last").text.strip().split('\n')[0],
                        'Recency': job.find('td', class_="wpjb-column-date wpjb-last").text.strip().split('\n')[-1],
                        'Link': job.find('a').get('href'),
                    }
                    job_list.append(items)
                except AttributeError:
                    print("Skipping an incomplete job posting.")
                time.sleep(1)

    df = pd.DataFrame(job_list)
    df.to_excel("jobs.xlsx", index=False)
    return "jobs.xlsx"
```

4   SKILLS ATTAINED

🚀 **Skills demonstrated in this project:**

☑ **Automation:** Saves hours of manual job searching.
☑ **Data Extraction:** Collects and organizes job listings.
☑ **Problem-Solving:** The code handles missing data and validates user input before the program starts.

5   CALL TO ACTION

🔗 Want to try the tool:
🔗 **View code on GitHub** → **Here**

📂 **Download Sample Job Listings** → *Excel File*