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Women in Data Job Board

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INTRODUCTION

Recognising WiD's commitment to connecting industry partners with candidates interested in data roles, this project aims to improve the job board and streamline that connection process, placing emphasis on efficient data storage, management and access. This is a brief outline of the project, presenting the current functionalities, future enhancements, and how this project aligns with the organisation’s goals and my professional development as a future data scientist.

PROJECT OVERVIEW

The proposed changes to the job board would facilitate a fully responsive, user-friendly platform that allows users to browse, filter, search, and access detailed job postings effortlessly. Key features include:

- **Responsive Design:** Ensures optimal usability across all devices.
- **Advanced Filtering:** Users can filter job listings by city, country, salary and job type (full-time/part-time).
- **Dynamic Job Detail Pages:** Each job card links to a detailed page with comprehensive information about the position, company, location and application process.
- **Modern UI:** A clean, professional design that enhances user engagement and readability.

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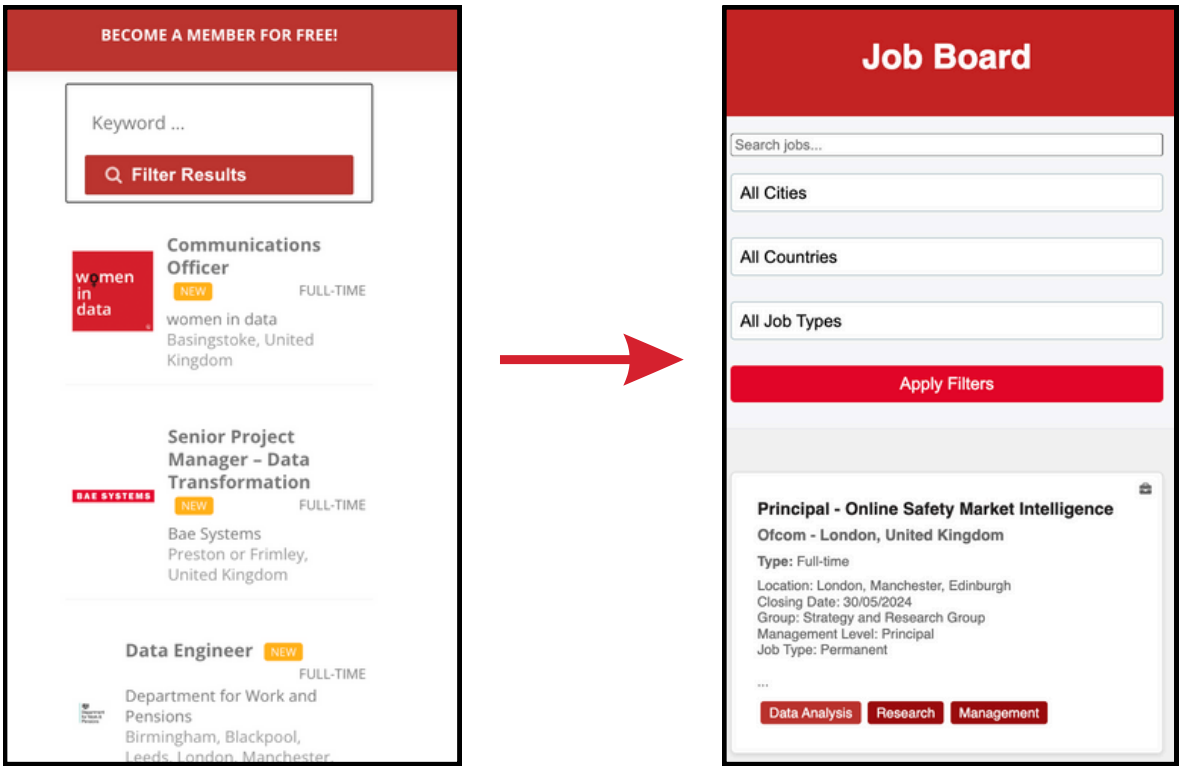
CURRENT STATUS

So far, I have implemented the following in the demo:

- **Responsive design for all devices.**
- **Filtering by city, country, and job type.**
- **Dynamic job detail pages.**
- **Search functionality to find jobs based on keywords.**



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KEY BENEFITS

The current job board already offers significant benefits. Adding these features may help to enhance it and provide several strategic benefits WiD & it's users:

- **Centralised Job Listing Data:** Ensures that job listings from various industry partners are consolidated into a single, highly accessible repository, maintaining consistent labelling and filtration.
- **Increased Visibility:** Enhances the visibility of job openings from organisations committed to diversity and inclusion, amplifying their reach and attracting a diverse range of applicants.
- **Streamlined Job Search:** Simplifies the job search process with advanced filtering and detailed job descriptions, saving users time and effort.

FUTURE ENHANCEMENTS

Several enhancements are planned to further improve the job board:

1. **Thorough Cleaning of Job Listing Information:** Addressing issues of repeated information to ensure data accuracy and clarity.
2. **Salary Filtration:** Adding the ability to filter job listings by salary range, helping users find roles that match their financial expectations.
3. **Relational Database Implementation:** Migrating the job data to an SQL relational database to improve data management, support complex queries, and enhance the overall performance and scalability of the platform.
4. **Job Summary Using LLM:** Implementing a Language Model (LLM) to generate concise summaries for each job post, providing users with quick overviews.

COST EFFECTIVENESS

One notable aspect of this project is its cost-effectiveness. To date, the project has incurred no costs, making it a highly economical solution for Women in Data.

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SKILLS DEMONSTRATED

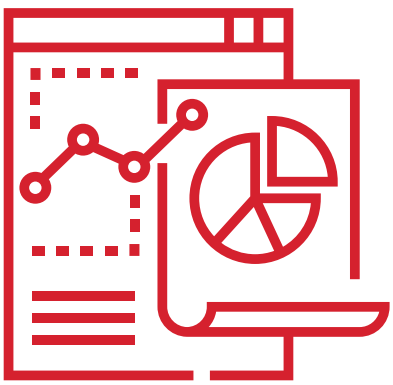
This project showcases my proficiency in several key areas essential for a career in data science:

- **Data Handling:** Integrated and dynamically displayed job data scraped from WiD website, proving my capability in data manipulation and presentation.
- **Problem-Solving:** Addressed challenges such as ensuring mobile responsiveness, enhancing user experience, and implementing advanced filtering options.
- **Attention to Detail:** Ensured consistent design and functionality across different devices and browsers, highlighting my meticulous approach to project execution.

ALIGNMENT WITH PROFESSIONAL GOALS

This project is a significant step towards my goal of becoming a data scientist. The skills and experiences gained here are directly applicable to the field of data science, including:

- **Data Analysis:** Strengthened my ability to handle, analyse, and present data effectively.
- **Programming:** Improved my programming skills, particularly in languages essential for data science such as Python.
- **User Experience:** Gaining a deeper understanding of user-centric design, crucial for presenting data insights and visualisations.
- **Continuous Learning**: Demonstrated a commitment to continuous learning and improvement, which is vital in the ever-evolving field of data science.



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CONCLUSION

This project is designed to improve the existing job board with a data-focused approach to user-experience enhancement, while showcasing my technical skills and passion for data science. By supporting Women in Data, this will hopefully contribute to the empowerment and advancement of women in the field, aligning with the organisational mission of promoting diversity and inclusion in the data industry.

I look forward to discussing further how this project can benefit the Women in Data community and contribute to our shared goals. Thank you for your attention and consideration.

Best Regards,

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