







# ADAM ROBSON

FULL STACK SOFTWARE ENGINEER  
DATA ANALYST

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## CONTACT

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## EXPERTISE

- Designed & developed scalable data pipelines and ETL processes to handle large volumes of data efficiently, improving data integration and accessibility for analytics.
- Developed and optimized database schemas and queries, ensuring high performance and reliability for both transactional and analytical workloads.
- Led efforts in integrating new technologies and tools into existing systems, fostering innovation and improving overall system capabilities and performance.
- Built and maintained automated workflows using tools like Power Automate, enhancing operational efficiency and reducing manual intervention in data processing tasks.

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## REFERENCES

*Available upon request*

## PROJECTS

### PANTRY PAL

2023

- Led the creation of a geolocation application using the Google Maps API to track and visualize data for over 2,500 US organizations providing free food services, enhancing accessibility and user engagement.
- Engineered a dynamic, data-driven solution with MongoDB to deliver personalized results based on users' geographic locations, ensuring tailored and relevant information.
- Seamlessly integrated Google Maps API with MongoDB, developing a robust platform that efficiently manages and delivers real-time, location-based information to users.
- Designed and implemented data analytics workflows to track and analyze user interactions with the geolocation application, providing actionable insights that informed ongoing improvements and enhanced user experience.

### TALLY HO

2023

- Integrated Google's Waypoints API and Google's JavaScript Maps API to significantly enhance the application's road trip planning capabilities, allowing users to precisely plan, save, and navigate their routes.
- Showcased technical expertise and attention to detail by delivering a feature-rich experience for road trip enthusiasts, ensuring the application provided valuable tools and functionalities.
- Leveraged advanced features of Google Maps API to provide users with comprehensive navigation tools, including real-time route updates and interactive maps.
- Collected and analyzed user feedback and application performance to iteratively improve the route planning features, ensuring the application met evolving user needs and maintained high satisfaction levels.

### COLLABO

2022

- Applied core web technologies—vanilla JavaScript, CSS, and HTML—to ensure the application's smooth functionality and a consistently high-quality user experience.
  - Utilized the Web Audio API to facilitate real-time collaboration, empowering users to creatively interact and innovate during the songwriting process.
  - Prioritized accessibility and inclusivity by designing an intuitive application interface, making it user-friendly for musicians of all skill levels and broadening its appeal.
  - Implemented advanced features and optimizations based on user feedback, continually enhancing the application's performance and adding new functionalities to support diverse musical needs.
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