1. Andie Tometsko
2. Leveraging User Reviews for Better Mobile UX
3. https://github.com/andietometsko/sql-project
4. Mobile App Developer - AI Trainer at DataAnnotation

This remote position is looking for programmers to train AI chatbots to code. Working with the chatbots that DataAnnotation is building, you will measure their progress as well as write and evaluate code to make the chatbots as effective as possible for mobile app development. I selected this job as it is the most similar one I could find to my current internship, and I am interested in learning the process of training AI. The role requires you to work with mobile development and SQL, which are two skills that are necessary at my work currently. I'm drawn to effective project management and design strategy in the development of mobile applications. This role combines my interests in training AI chatbots and using them to deliver better mobile user experiences.

5. Problem

Mobile app developers and AI Trainers need clearer, data-driven insights into user pain points and feature requests found in app reviews. This mirrors a real-world need in the job by using data (via SQL) to gather insights about app features and performance in order to train a chatbot well to write code for mobile applications. The project uses SQL, web scraping, and APIs to gather, analyze, and visualize review data. Sentiment and keyword analysis of app reviews (web-scraped) + metadata (via API) can be stored, queried via SQL, and visualized.

6. Data Sources

API Sources: https://github.com/facundoolano/google-play-api?tab=readme-ov-file

https://rapidapi.com/mahmudulhasandev/api/ios-app-store-api1

Web Scrape: https://www.producthunt.com/

These APIs from Google Play and iOS App Store will provide structured app metadata to pair with review insights. Product Hunt provides feedback from early adopters and designers. Each app has a comment section where people often critique the UI.

7. Solution

I will combine app metadata (from APIs) and user feedback (from Product Hunt) in a PostgreSQL database. Using SQL, I'll analyze patterns in user sentiment and keywords to identify common pain points and requests.

Key SQL features: JOINS to link metadata and reviews, aggregates and GROUP BY to find top issues, CTEs and window functions to track trends over time

Visuals: Bar chart of frequent complaints/top 5 complaint keywords, line chart tracking how app ratings change after updates, stacked bar chart reviewing sentiment by app category (ex., games vs. productivity). These insights can help train AI chatbots to better understand and respond to mobile user needs.