MICHIGAN STATE UNIVERSITY

Alpha Presentation

Security Analytics Suite: Dataset Merger Tool

The Capstone Experience

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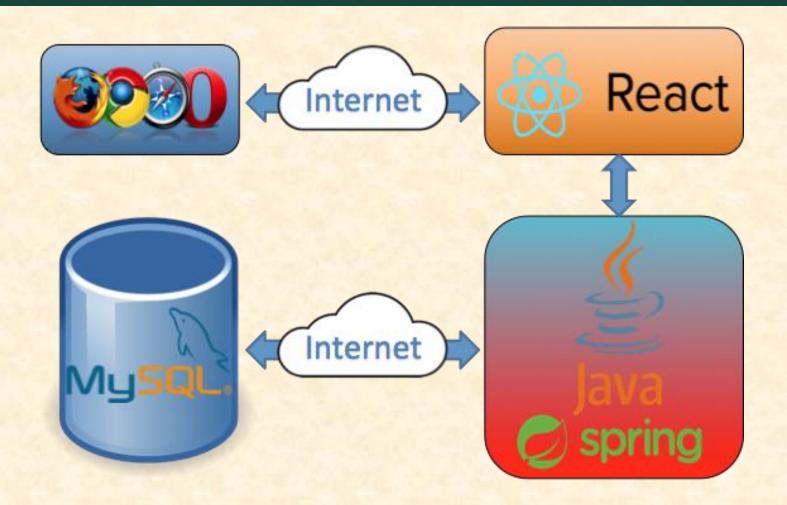
Fall 2016



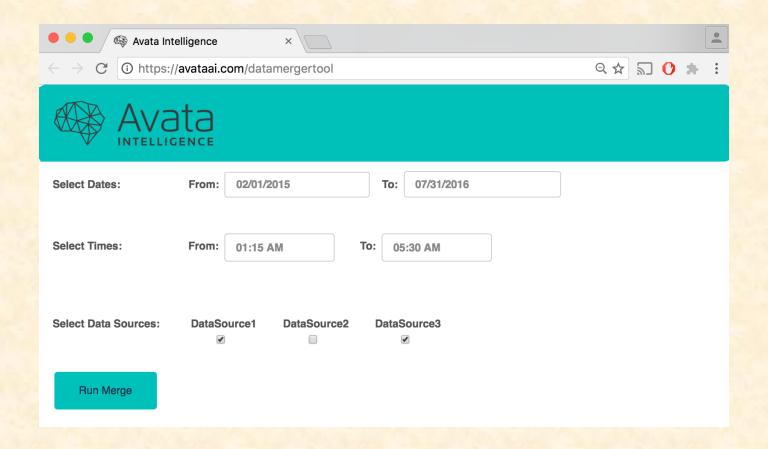
Project Overview

- Automatically identify and merge duplicate records within and across datasets.
- Allow the user to to approve or disapprove the merging of similar records.
- Present the results as a report containing tables and charts.

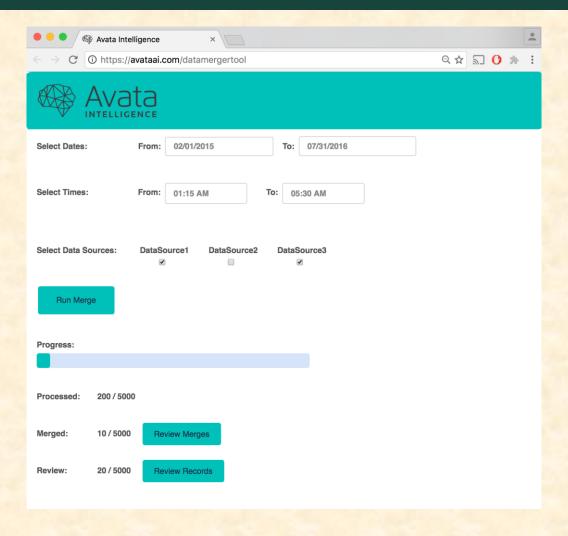
System Architecture



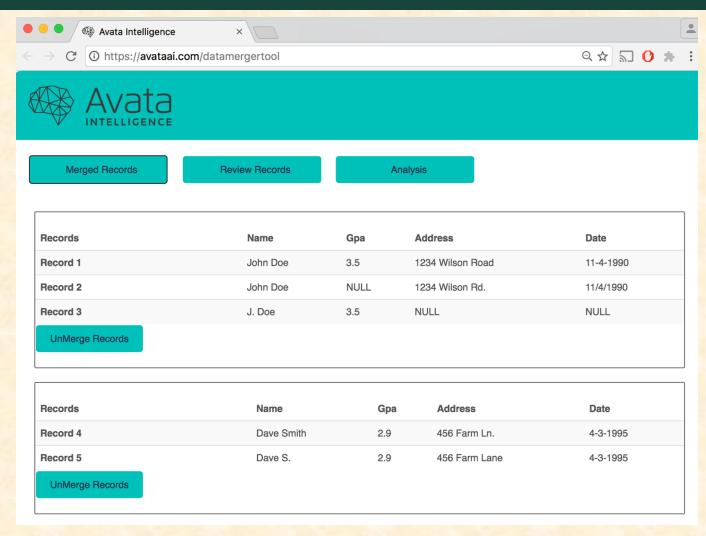
Landing Page



Merge Progress



Merged Records





The Capstone Experience

What's left to do?

- Create Review Records Page
 - Allow user to view confidence score
- Create Analysis Page
 - Visually represent data as graph or table
- Fine tune merge algorithm
- Parameterized queries from the front-end
- Dynamically update

Questions?

