Beta Presentation
Dashboard for Data Visualization

The Capstone Experience

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Project Overview

• Increase accessibility to deliver robot fleet data
• Provide daily updates on the status of bot fleet or individual robots
• Display fleet history for analysis
• Allow for management of fleet by filtering data
System Architecture

Diagram showing the integration of Amazon web services, S3, MySQL, Amazon QuickSight, and Vue.js to create a dashboard.
Emergencies

![Graph showing number of emergency stops each day with statistics: Emergency Stops this Week: 2, Number of Emergency Stop: 0, Number of Emergency Reports: 2, Number of Emergency Reports Without Stops: 0]
Deliveries: Comparison of Vehicles
Deliveries: Faulty Batteries
Error Checker

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<th>Vehicle ID</th>
<th>Start Date</th>
<th>End Date</th>
<th>Start Time</th>
<th>End Time</th>
<th>Trip Time</th>
<th>Distance Travelled</th>
<th>Average Speed</th>
<th>Battery Consumption Percentage</th>
<th>Emergency Stop Occurred</th>
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- **High Battery Consumption**
- **Low Distance Traveled**
- **Low Trip Time**
- **High Distance Traveled**
What’s left to do?

• Features

• Stretch Goals
  ▪ Email PDF of dashboards to employees
  ▪ Plot the emergencies on a map
  ▪ Polish error checker

• Other Tasks
  ▪ Integrate the dashboards in Magna’s website
Questions?