

**MICHIGAN STATE**  

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**UNIVERSITY**

# Beta Presentation

## Supply Chain Induction Visibility Using Witron

### The Capstone Experience

Team Meijer

Le An

Nick Marshall

Nick Noga

Soham Sonar

Paul Williams

Department of Computer Science and Engineering  
Michigan State University

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*From Students...  
...to Professionals*

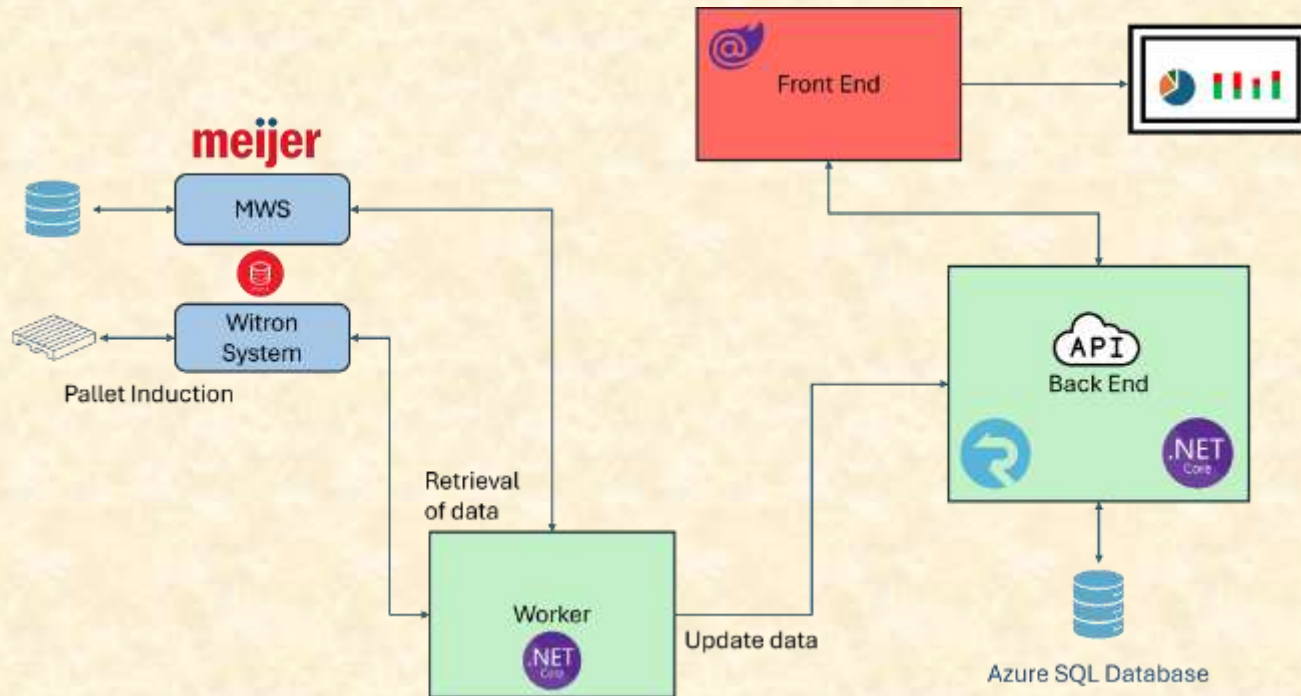
# Project Overview



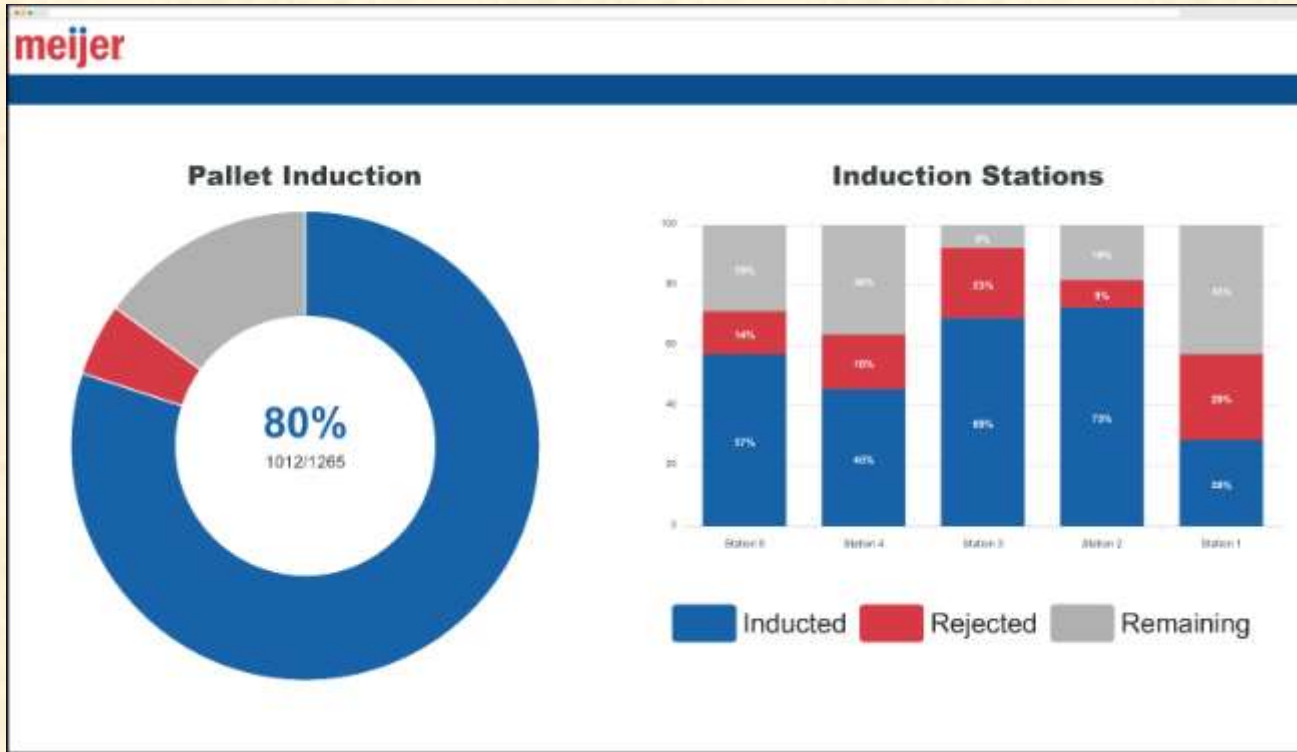
- Meijer
  - Large Super Chain Center in the Midwest US
  - 270+ Stores and growing
  - Specialize in general goods
- Warehouse Induction Problem
  - Workers lack Clarity on pallets in warehouse
    - Unable to see how many pallets are inducted / rejected
    - Station Efficiency is not trackable
  - Two separate Databases of information
    - Witron database contains Pallet Names / Station Information
    - Meijer database contains Pallet Specific Information
- Dashboard Solution
  - Real Time (5 min delay) on induction stats
  - Admin Page with Pallet / Station Specific Data



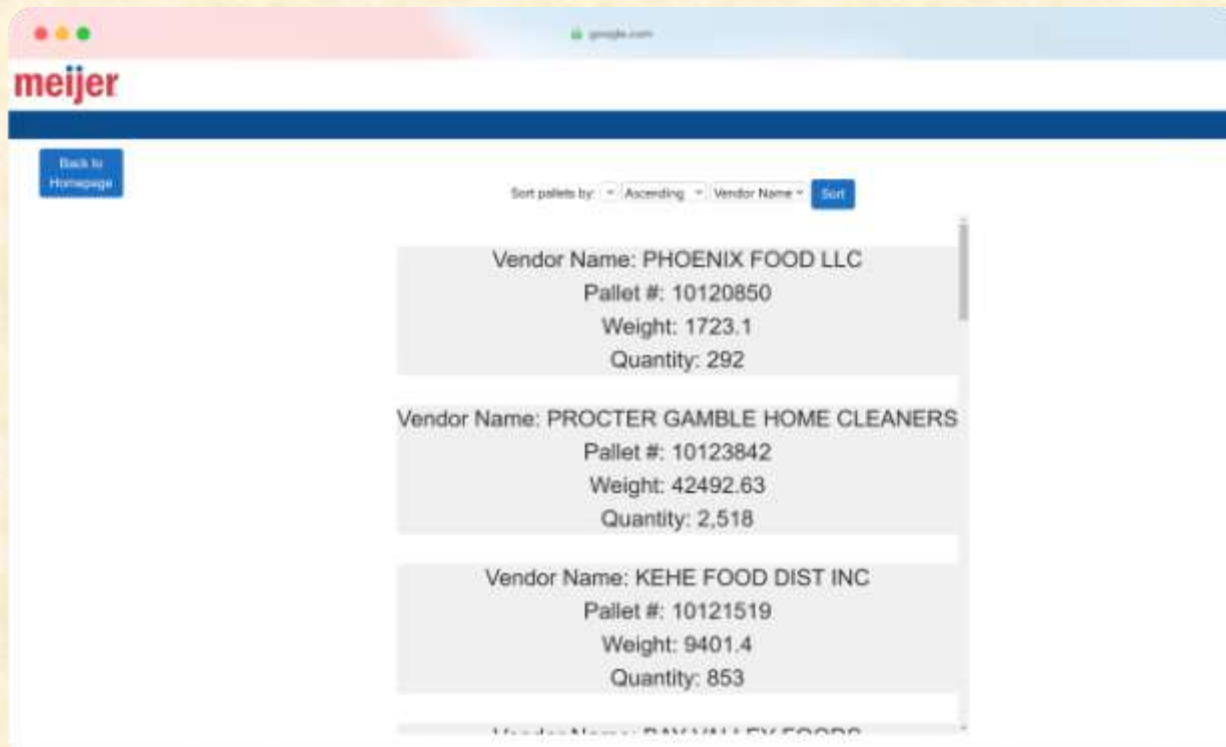
# System Architecture



# Induction Dashboard



# Vendor Sorting



# Search Page

meijer

Back to Homepage

## Pallet Tracker

Track the status of your pallets in real time.

search...

Search

Purchase Order	Name	Successful	Successful No Errors	Weight	Rejected
123101	Phoenix Foods	190	100	4829	50
284912	Aldi	170	110	347	60
745628	Zone	200	140	2444	80
848381	Alto	185	120	521	60
195831	Field Max	5	2	821	2

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# Reports Page



# What's left to do?

- Features
  - Resolve New API Issues
    - Data works, but has a lot of inconsistent information
    - Slow server response time
- Stretch Goals
  - AI Helper Bot
- Other Tasks
  - Clean Up Styling / CSS
  - Contacting Meijer about transferring software to them
  - Upload Updated App / API to Azure
  - Finalize UI Designs with Warehouse Lead





# Questions?

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