MICHIGAN STATE
U N I V E R S I T Y

Alpha Presentation
Product Lifecycle Tracing System

The Capstone Experience

Team MillerKnoll

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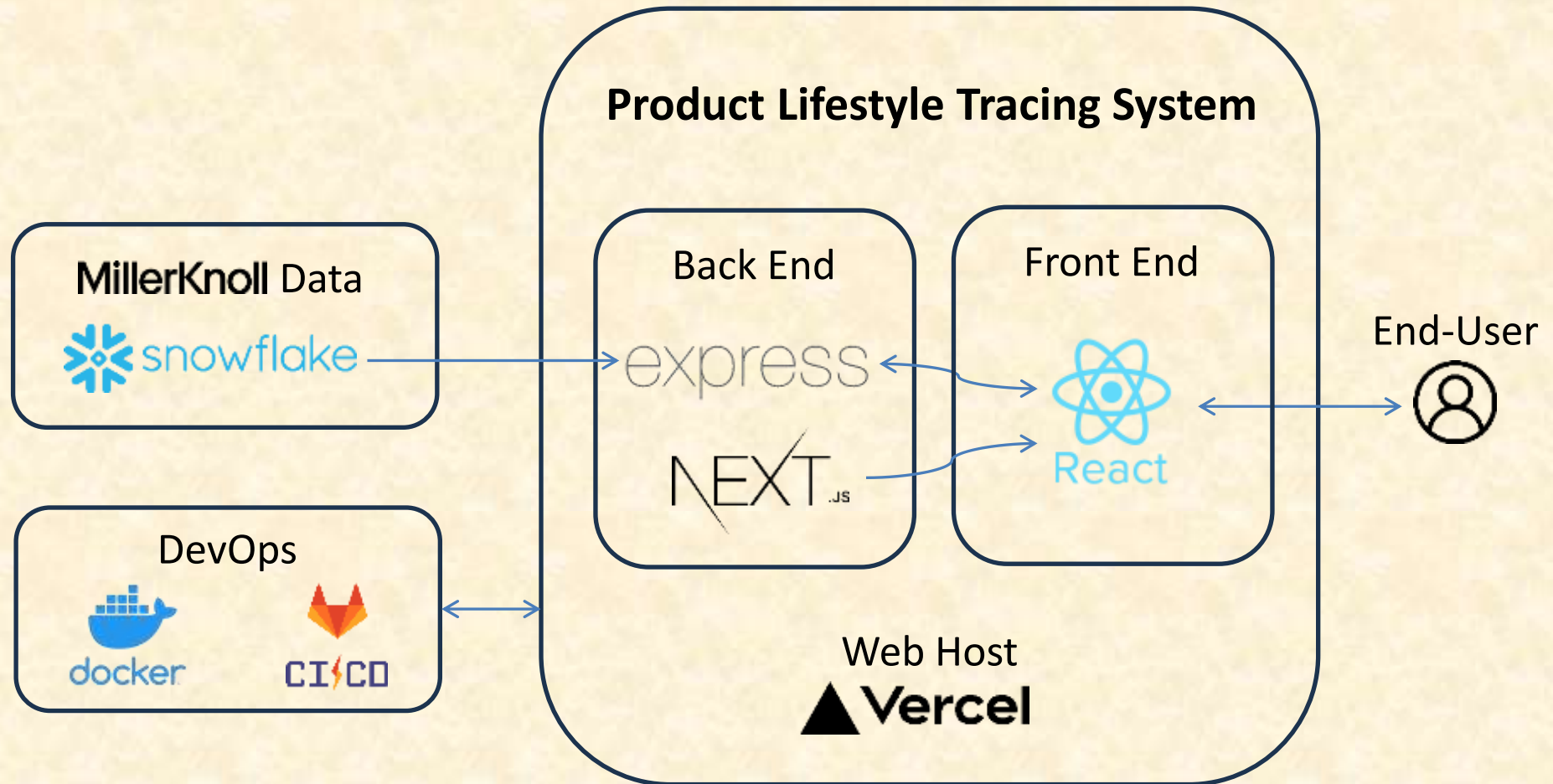Michigan State University

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From Students…
…to Professionals

Project Overview

- MillerKnoll is a made-to-order furniture company with a lot of unique data

- Software provides insight into product to part relationships and effects of discontinuation

- Supports supply and product in making informed decisions regarding production volumes

System Architecture

Product Reference Lookup

Product to Parts Lookup

Simulating Product Discontinuation

Part to Products Lookup

What's left to do?

- Finish parsing Snowflake database

- Iterate on data visualization

- Integrate with company SSO (OneLogin)

- Interactive tooltips to walk users through each feature

- Set up DevOps and deploy to Vercel

- Stretch goal: Stock warning & supplier contact feature

Questions?