MICHIGAN STATE
UNIVERSITY

Alpha Presentation
Evo Observability Platform

The Capstone Experience

Team Evolutio

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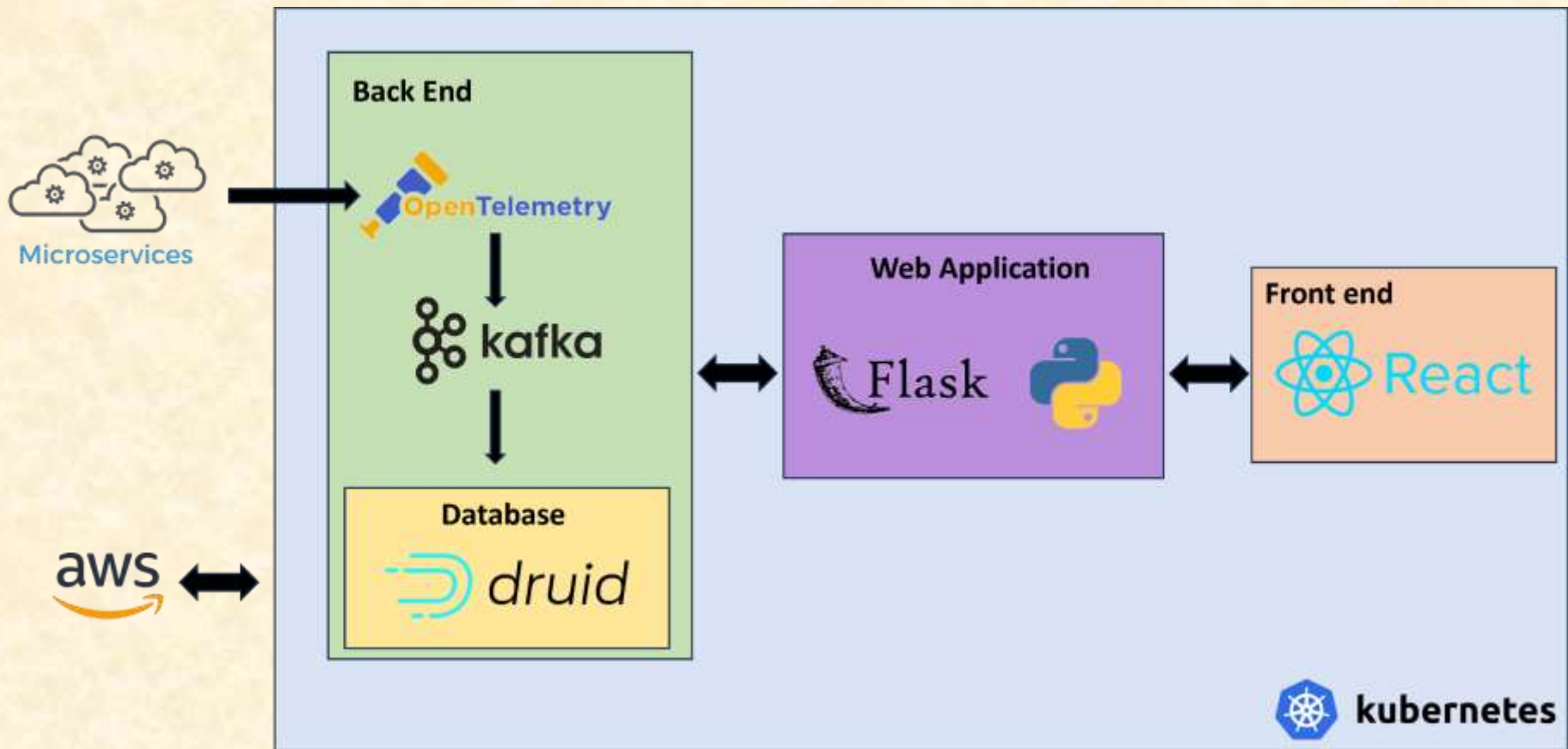Michigan State University

Fall 2023

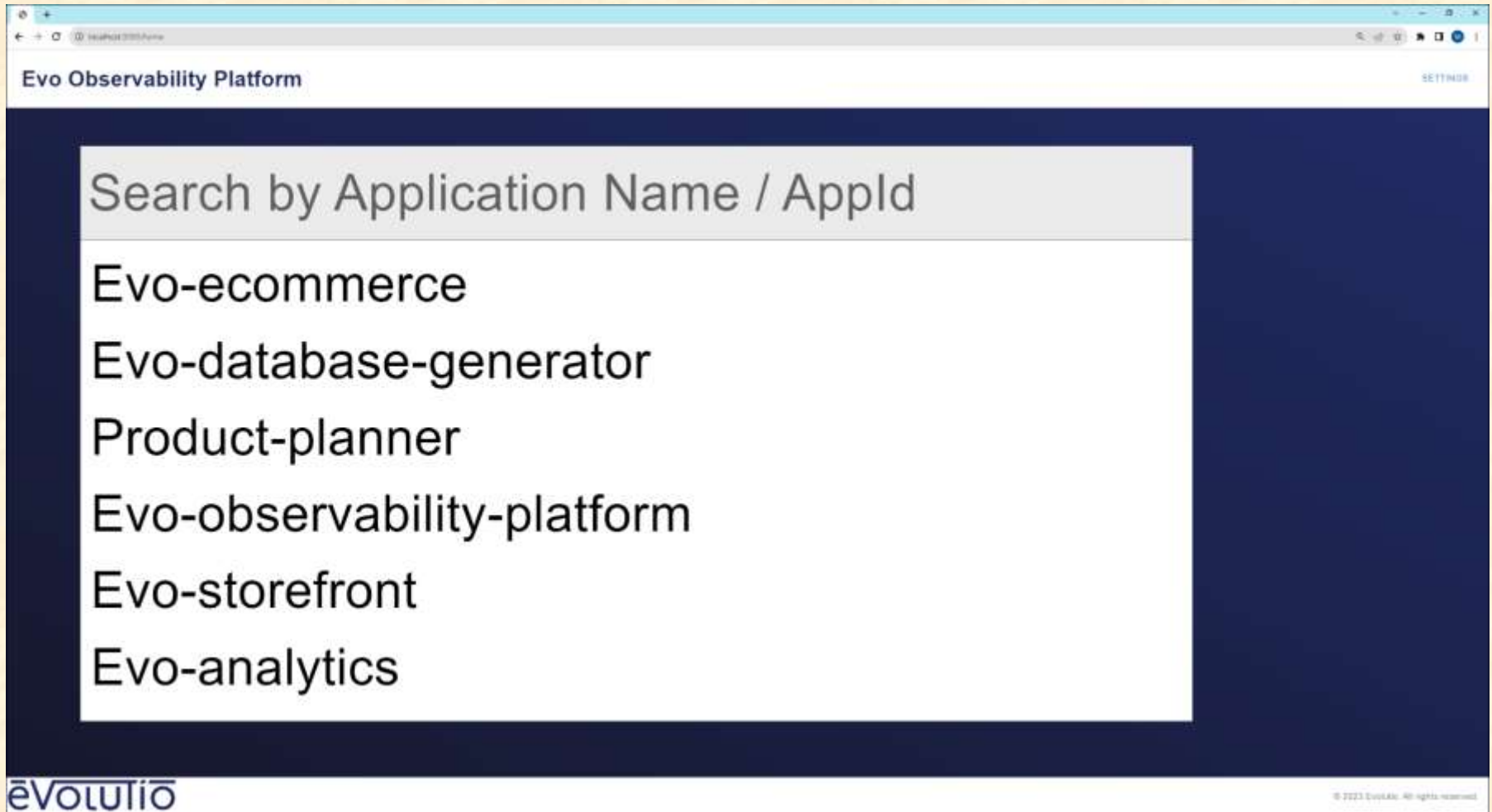*From Students…*
…to Professionals

Project Overview

- Utilize existing Observability tools to develop a robust & scalable APM software
- Provide system administators with visibility
  - Application dashboards
  - Dependency mapping
- Analyze and log application behavior
  - Error and exception tracking
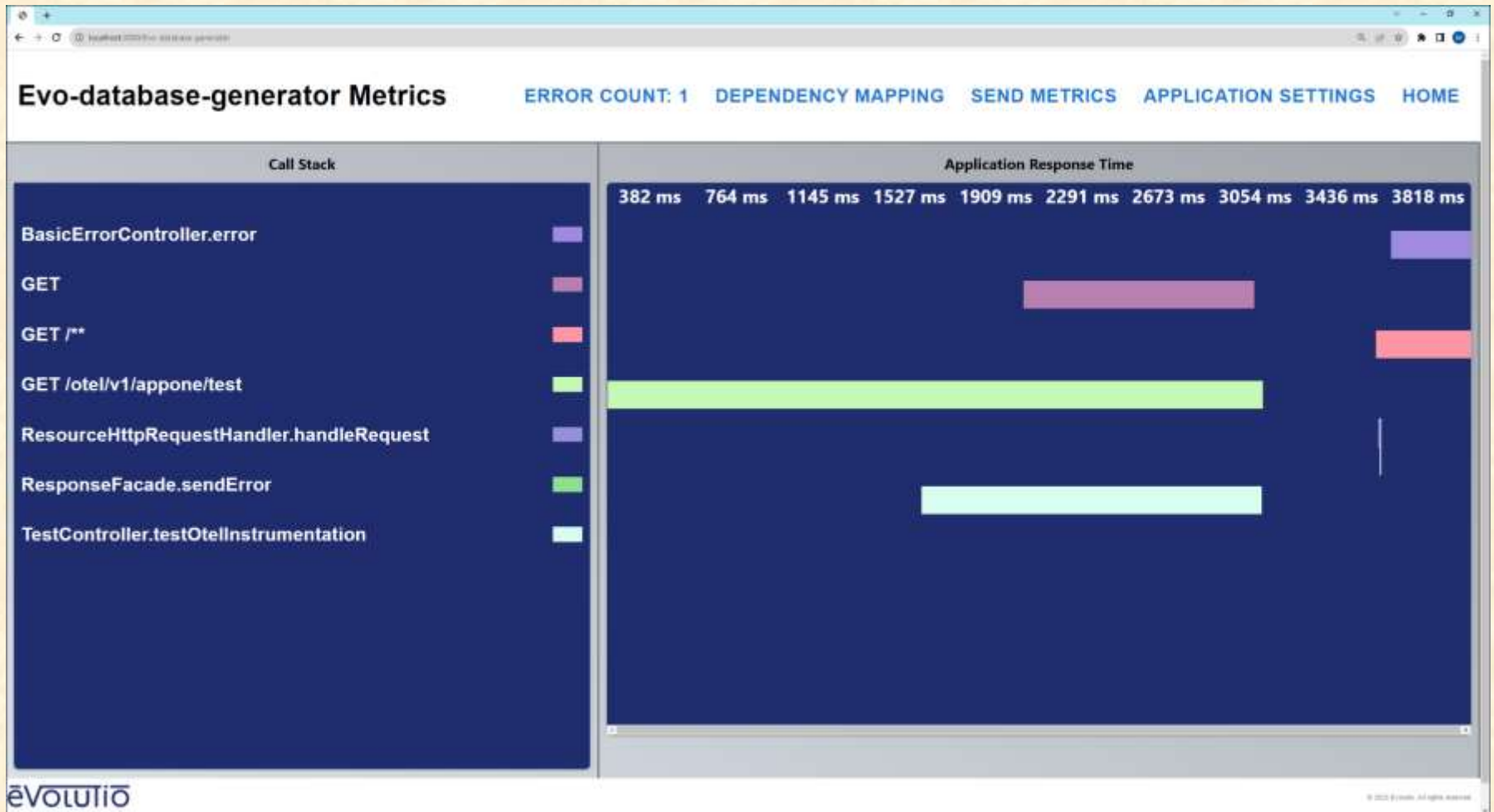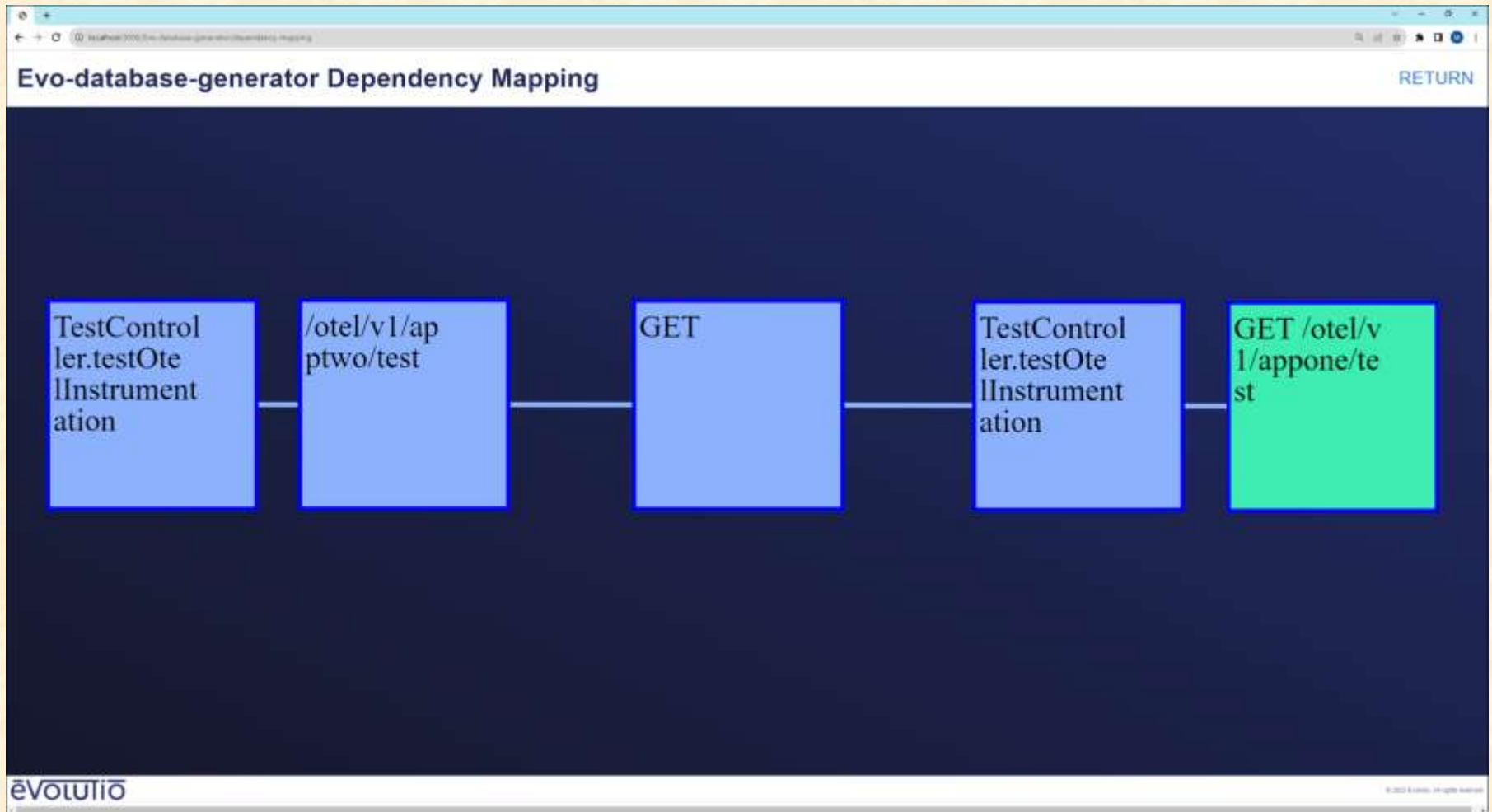 - Alerting and notification

System Architecture

Home Screen

Application Dashboard

Dependency Mapping

Application-Specific Settings

What's left to do?

- Data streaming using Apache Kafka

- Displaying surface metrics on dashboard

- Setting up alert notification thresholds

- Configuring a Kubernetes cluster

- Deploying our application on AWS

Questions?