# MICHIGAN STATE UNIVERSITY

## Beta Presentation Evo Observability Platform

The Capstone Experience

Team Evolutio

Abhinay Devapatla
Spandan Chatterjee
Max Resch
Tyler Triplett
Haoxiang Zhang

Department of Computer Science and Engineering Michigan State University

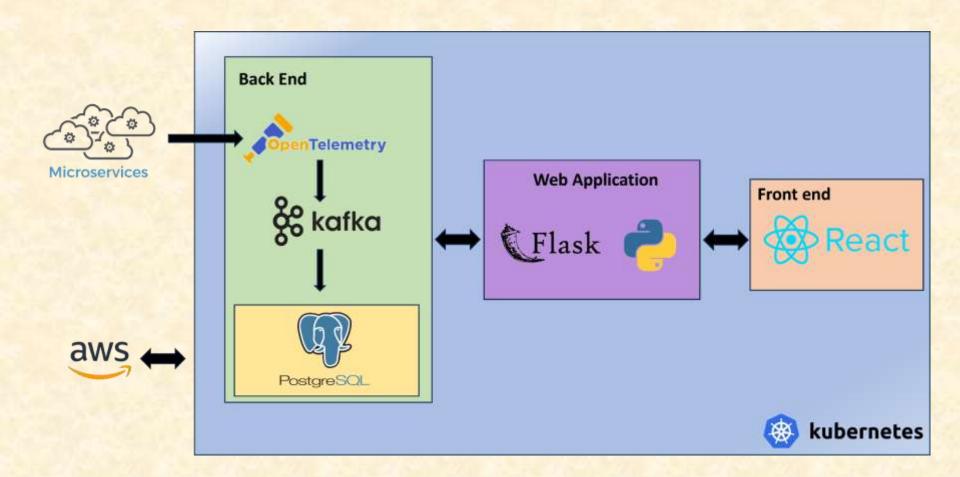
Fall 2023



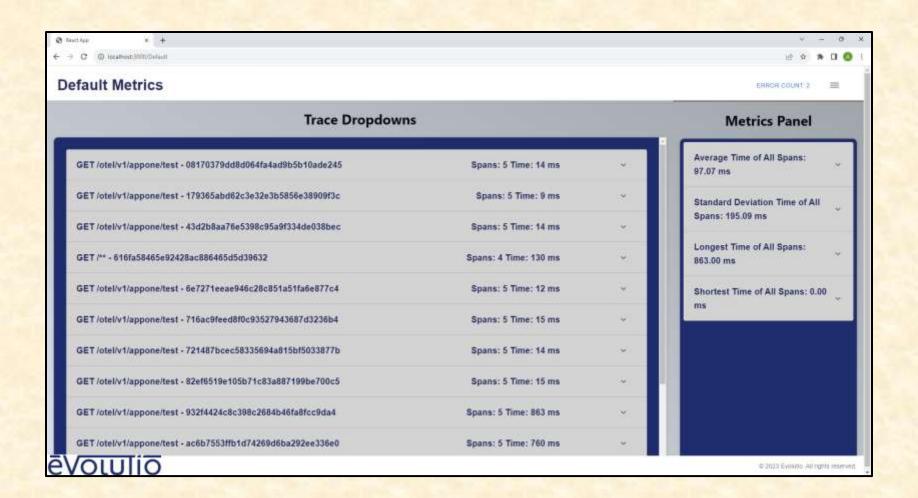
#### **Project Overview**

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

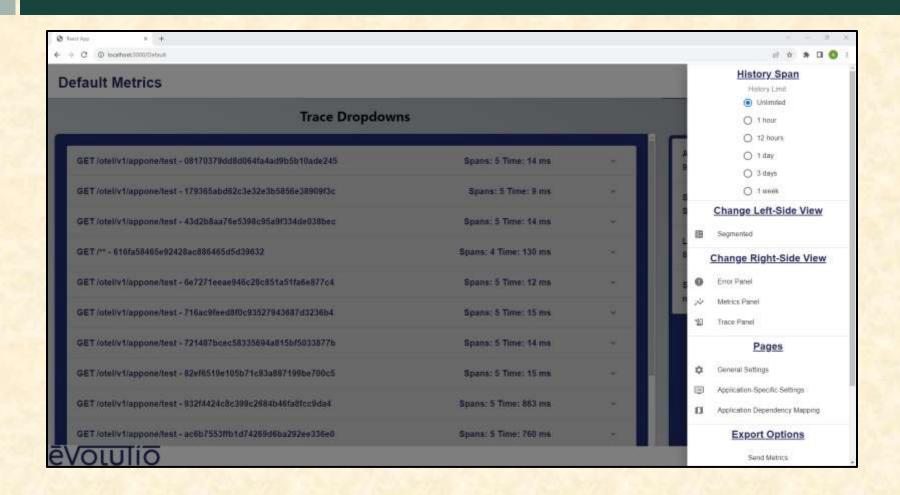
#### System Architecture



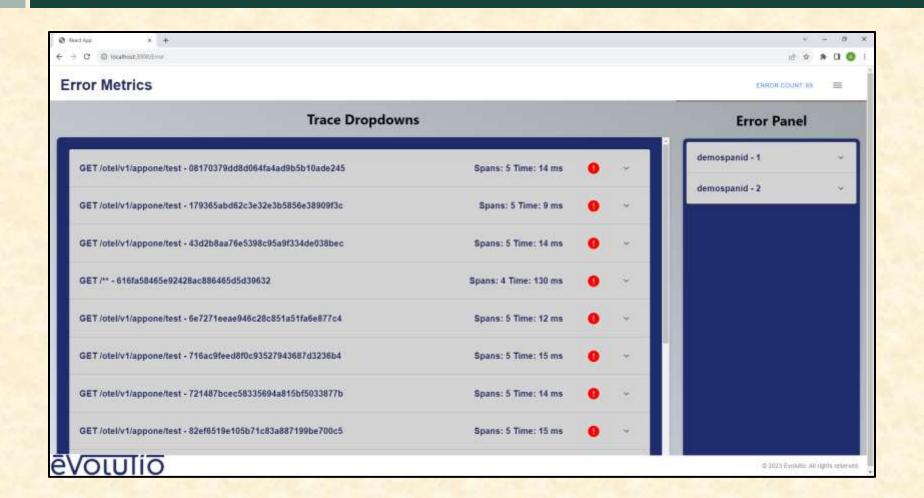
#### **Application Dashboard**



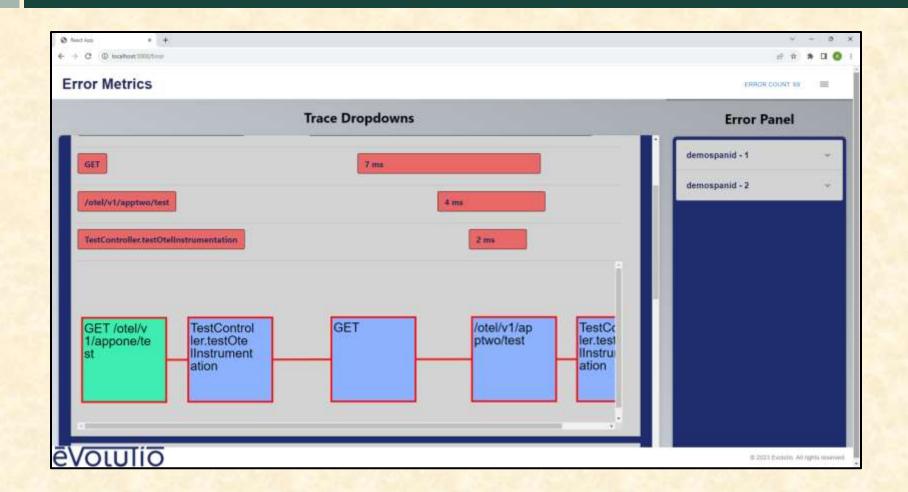
#### **Application Sidebar**



#### **Application Dashboard Errors**



### Dependency Map Errors



#### What's left to do?

- Features
  - N/A
- Stretch Goals
  - Automatic threshold levels: low, moderate, high
  - Custom email messages
  - Slack notifications
- Other Tasks
  - Refactoring code for AWS
  - Bug fixing



#### Questions?



