MICHIGAN STATE UNIVERSITY

Beta Presentation
Custom Data Visualization Dashboard

The Capstone Experience

Team Atomic Object

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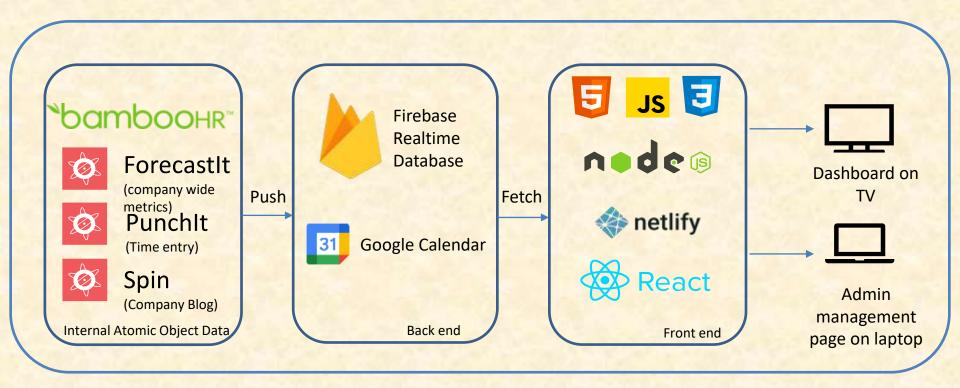Michigan State University

Fall 2022

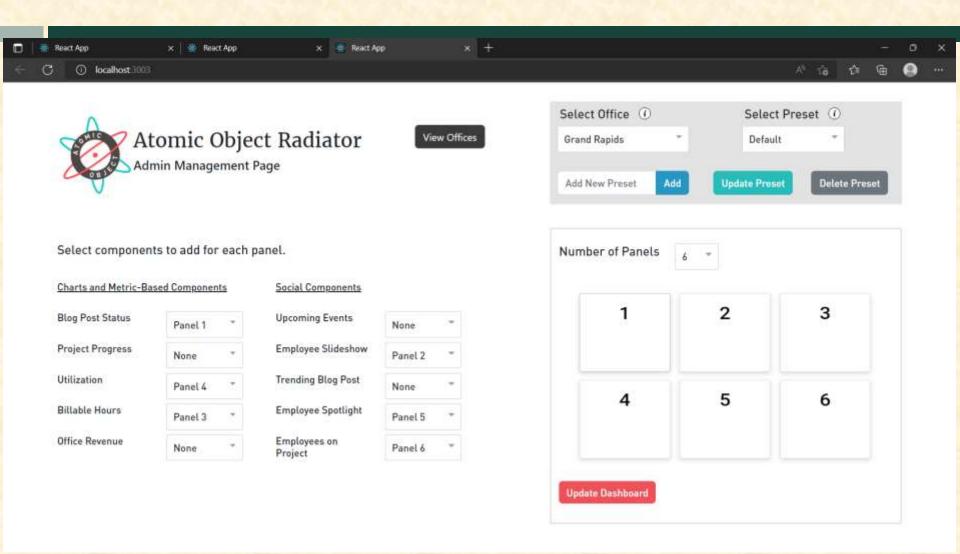*From Students…*
…to Professionals

Project Overview

- Create new customizable, dynamic dashboard with updated components for in-office display on television

- Allow employees to remotely control what components are displayed and the layout of each dashboard through admin page using presets and on/off switches

- Store preset data in back-end so employees can save and reuse preset components and layouts

- Enable each office to develop own presets and customize dashboard to their choosing, providing a few default options to start with and office-specific URLs
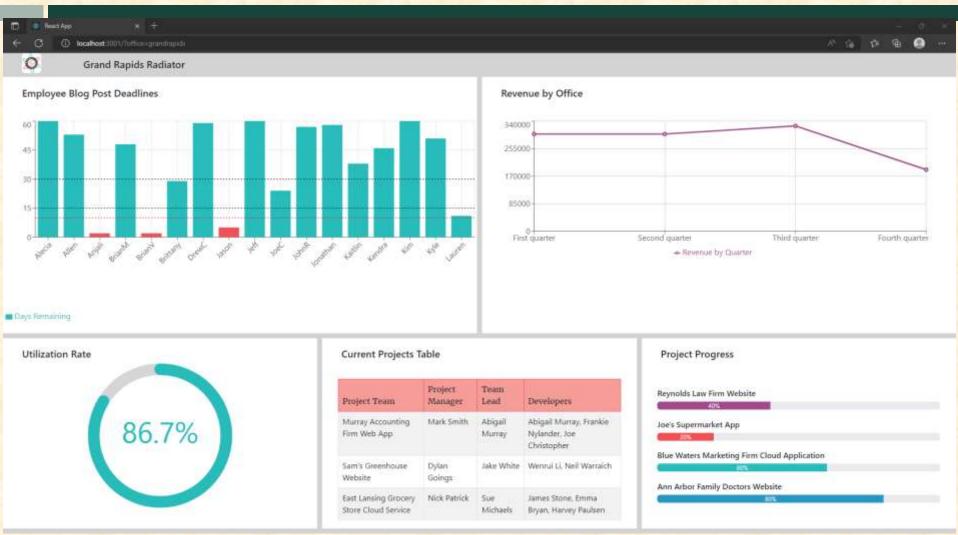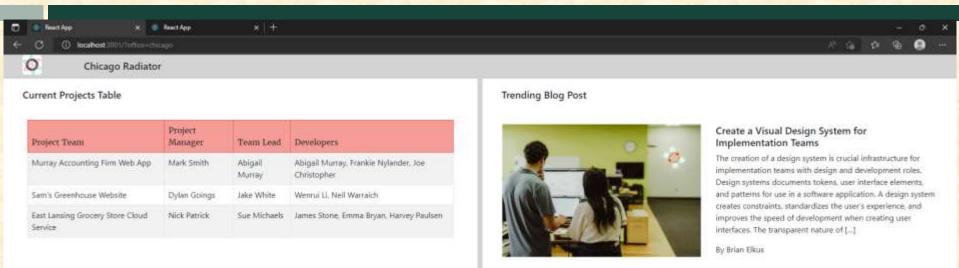
System Architecture

Admin Management Page

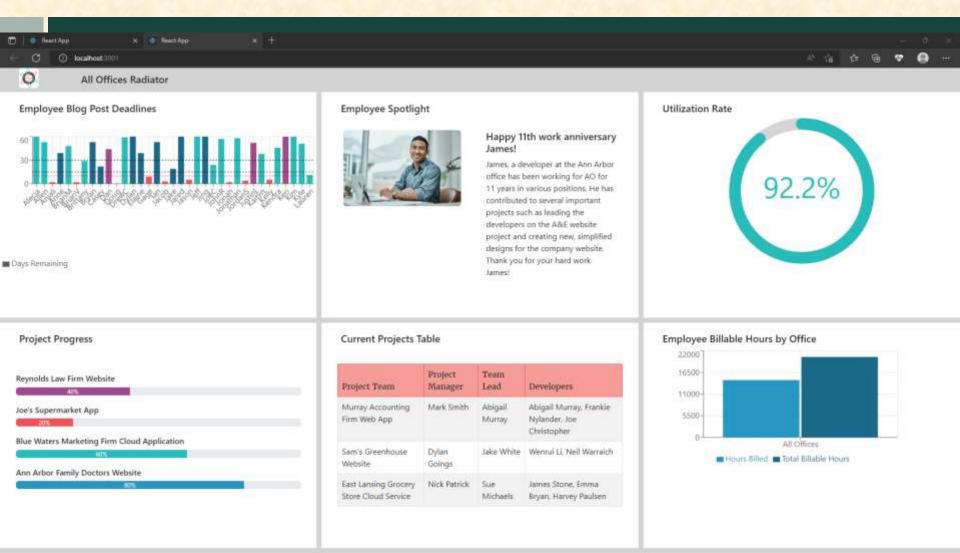# Grand Rapids Custom Preset

Chicago Social Preset

All Offices Six Panels

What's left to do?

- Stretch Goals
  - Add more components for variety
  - Allow the addition of an office
  - Drag and reorder components/drag and drop to order components on panels on side
- Other Tasks
  - Finish styling dashboard components (overflow, sizing of graphs)
  - Image slideshow - pull from shared drive employees can edit
  - Fix glitch issue (currently goes away on refresh)
  - Receive final data queries from Atomic Object

Questions?