

MICHIGAN STATE

UNIVERSITY

Beta Presentation

IT Datamart Microservice for BitBucket

The Capstone Experience

Team UWM

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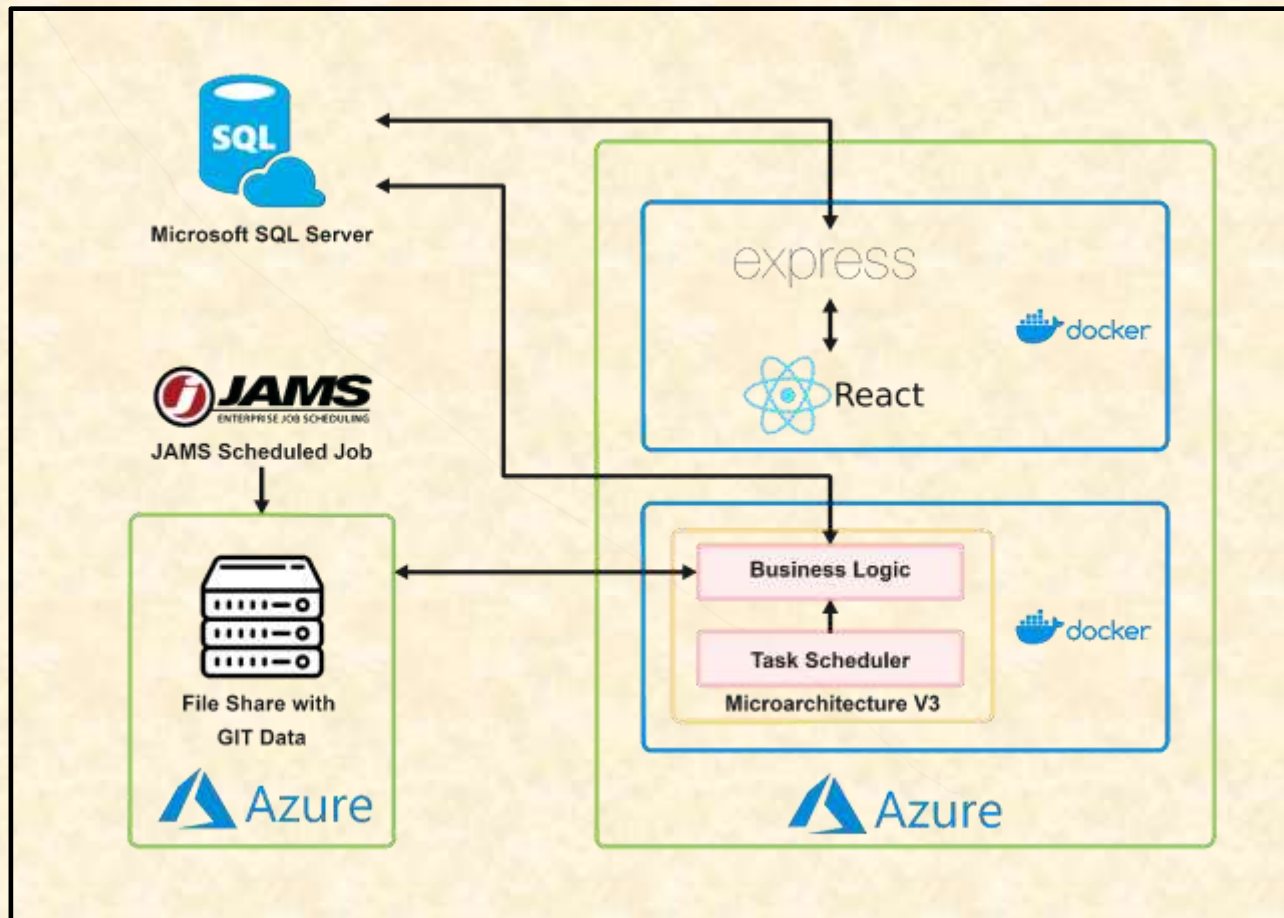
*From Students...
...to Professionals*

Project Overview

- This initiative supports the UWM in evaluating potential hazards.
- Centralizing metadata for the UWM BitBucket repositories.
- Establishing metadata database for future use.
- Creating a web-based platform for visualizing the data collected.



System Architecture



Developer View

The screenshot displays a web application interface for a developer. At the top left is the UWM logo (United Wholesale Mortgage). Below it is a vertical navigation menu with four options: "Developer View" (highlighted in blue), "Architect View", "Team Lead View", and "Server View". The main content area shows a dashboard for a specific user and project. The user is "Spencer Nolton" and the project is "Service Support Gro...". The repository is "cell-biz-cid-serviceno...". The current branch is "feature/CHGDATA-265". Below this information is a commit history grid showing activity from February to February. A pop-up window titled "Commits:" lists the following commit messages:

- [CHGDATA-265 adjust filter](#)
- [CHGDATA-265 added functionality and fixed save changes for updates](#)
- [CHGDATA-264 added functionality](#)
- [CHGDATA-261 added updaterecord method to be used by each service](#)
- [CHGDATA-261 ran migration](#)
- [CHGDATA-261 full functionality of this story](#)
- [CHGDATA-261 removed unused using statements](#)
- [CHGDATA-261 cleaned up code](#)

The bottom of the screenshot shows a Windows taskbar with the search bar and system tray.

Architect View

The screenshot shows a web application interface for the 'Architect View' of a project named 'BOLT'. The interface includes a sidebar with navigation options: 'Developer View', 'Architect View' (selected), 'Team Lead View', and 'Server View'. The main content area features a calendar view showing activity from February to March, with a color-coded grid. Below the calendar, there are two panels: 'Dependencies' and 'Commits'. The 'Dependencies' panel lists various packages and their versions, while the 'Commits' panel lists recent commit messages, authors, and timestamps.

Project: BOLT
Repository: cell-biz-asset

Calendar View: Shows activity from Feb to Mar. Days of the week (Mon-Sun) are listed on the y-axis. Green squares indicate activity, with a concentration in late February and early March.

Dependencies:

- lodash - Version: 4.17.21
- create-react-app - Version: 5.0.1
- bootstrap - Version: 5.3.1
- console-control-strings - Version: 1.1.0
- semver - Version: 7.6.0
- styled-components - Version: 6.1.1
- handlebars - Version: 4.7.8

Commits:

- Sean Harmon: [TESTAUTO-001 Class Explanations and walk throughs](#) - Time: 2024-02-16T11:37:54.000Z
- Sean Harmon: [TESTAUTO-001 Initial Commit](#) - Time: 2024-02-15T16:40:31.000Z
- Sean Harmon: [TESTAUTO-001 test PR DO NOT REVIEW](#) - Time: 2024-02-13T17:21:28.000Z
- Cass Morgan: [STR82PROD-307 Uninstall nuget package Microsoft.Extensions.ApiDescription.Client](#) - Time: 2024-01-23T15:04:11.000Z
- James Seaton: [BOLT-12649 initial commit](#) - Time: 2024-01-19T10:58:29.000Z
- James Seaton: [BOLT-12649 fixed code smell](#) - Time: 2024-01-18T10:36:06.000Z

Lead View w/ Bar Chart

The screenshot shows a web browser window displaying a dashboard for UWM (United Wholesale Mortgage). The dashboard is titled 'Dashboard' and is accessed at 'localhost:3000/lead'. It features a sidebar with navigation options: 'Developer View', 'Architect View', 'Team Lead View', and 'Server View'. The main content area is divided into several sections:

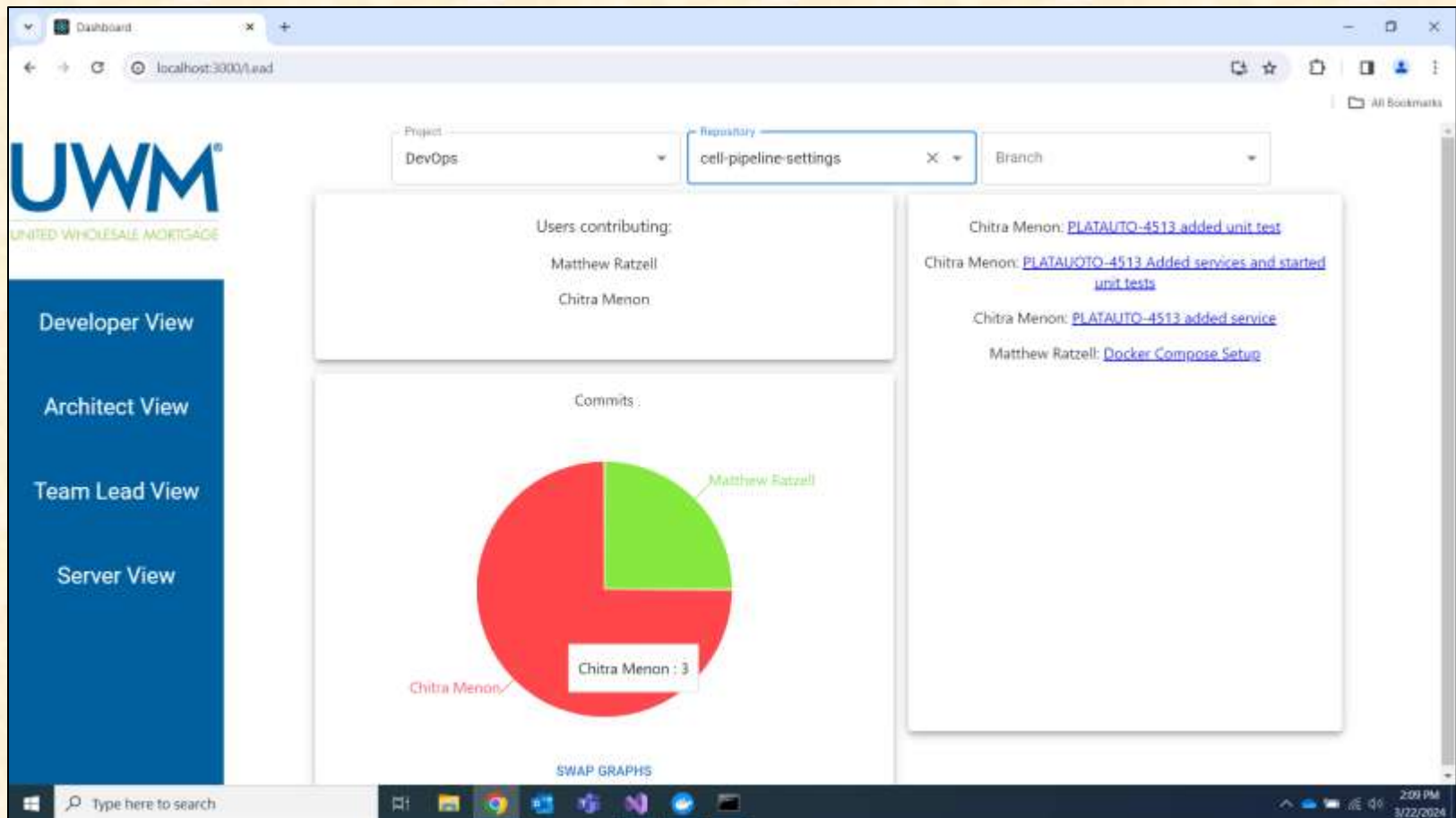
- Project:** BOLT
- Repository:** cell-biz-asset
- Branch:** (empty)
- Users contributing:** Cass Morgan, Ranjan Sahu, Ismeil Hachem
- Commits:** A bar chart showing the number of commits for each user. The Y-axis ranges from 0 to 60. The X-axis is labeled 'SWAP GRAPHS'. A tooltip for Sheldon Spurrell indicates a count of 60.
- Commit Messages:** A list of commit messages with links to the commit details.

The commit messages listed are:

- Sean Harmon: [TESTAUTO-001 Class Explanations and walk throughs](#)
- Sean Harmon: [TESTAUTO-001 Initial Commit](#)
- Sean Harmon: [TESTAUTO-001 test PR DO NOT REVIEW](#)
- Cass Morgan: [STRB2PROD-307 Uninstall nuget package Microsoft.Extensions.ApiDescription.Client](#)
- James Seaton: [BOLT-12649 intial commit](#)
- James Seaton: [BOLT-12649 fixed code smell](#)
- James Seaton: [BOLT-12649 moved the assignment of NumberOfPayments property of AddLiabilityRequest](#)
- Daniel Schuler: [BOLT-12649 added default value for NumberOfPayments property cleaned using statements for AssetTransactionOrchestrator addressed comments](#)
- Daniel Schuler: [BOLT-12649 Added NumberOfPayments property to InsertLiabilityRequest updated openAPI](#)
- James Seaton: [BOLT-12649 code clean up](#)
- James Seaton: [BOLT-12649 added payment period to the request and updated borrower financial open api file](#)

The Windows taskbar at the bottom shows the time as 2:07 PM on 3/22/2024.

Lead View w/ Pie Chart



What's left to do?

- Features
 - DTOs
- Stretch Goals
 - Deployment into UWM
- Other Tasks
 - Polish Web App
 - Integration Testing



Questions?

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