

MICHIGAN STATE
UNIVERSITY

Alpha Presentation

Security Analytics Suite: Client Configuration
Tool

The Capstone Experience

Team Avata

Sean Edwards

Ashley Gagnon

Chantz Johnson

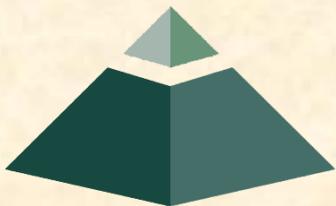
Zack Lumley

Meenu Sundararaju

Department of Computer Science and Engineering

Michigan State University

Fall 2017



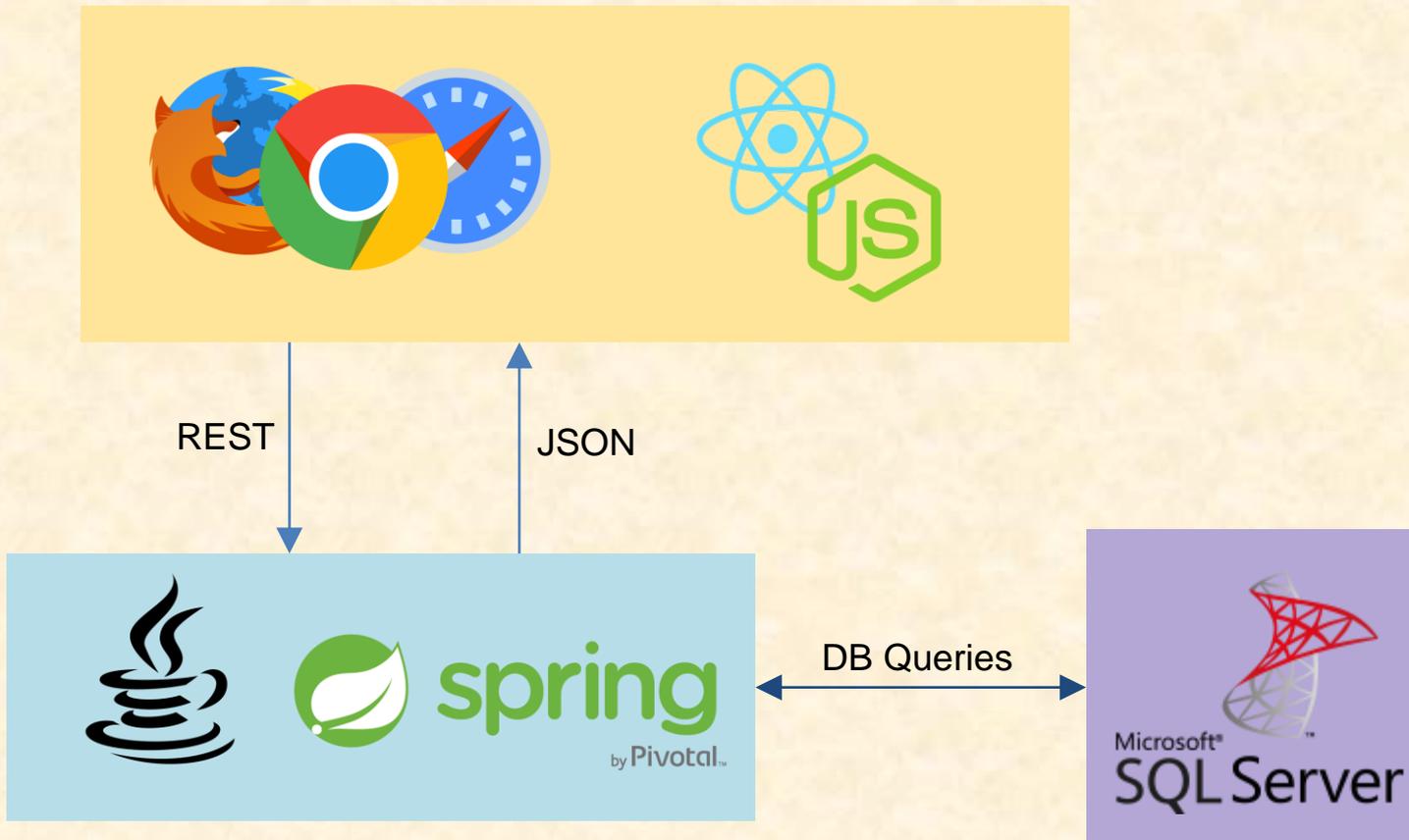
*From Students...
...to Professionals*

Project Overview

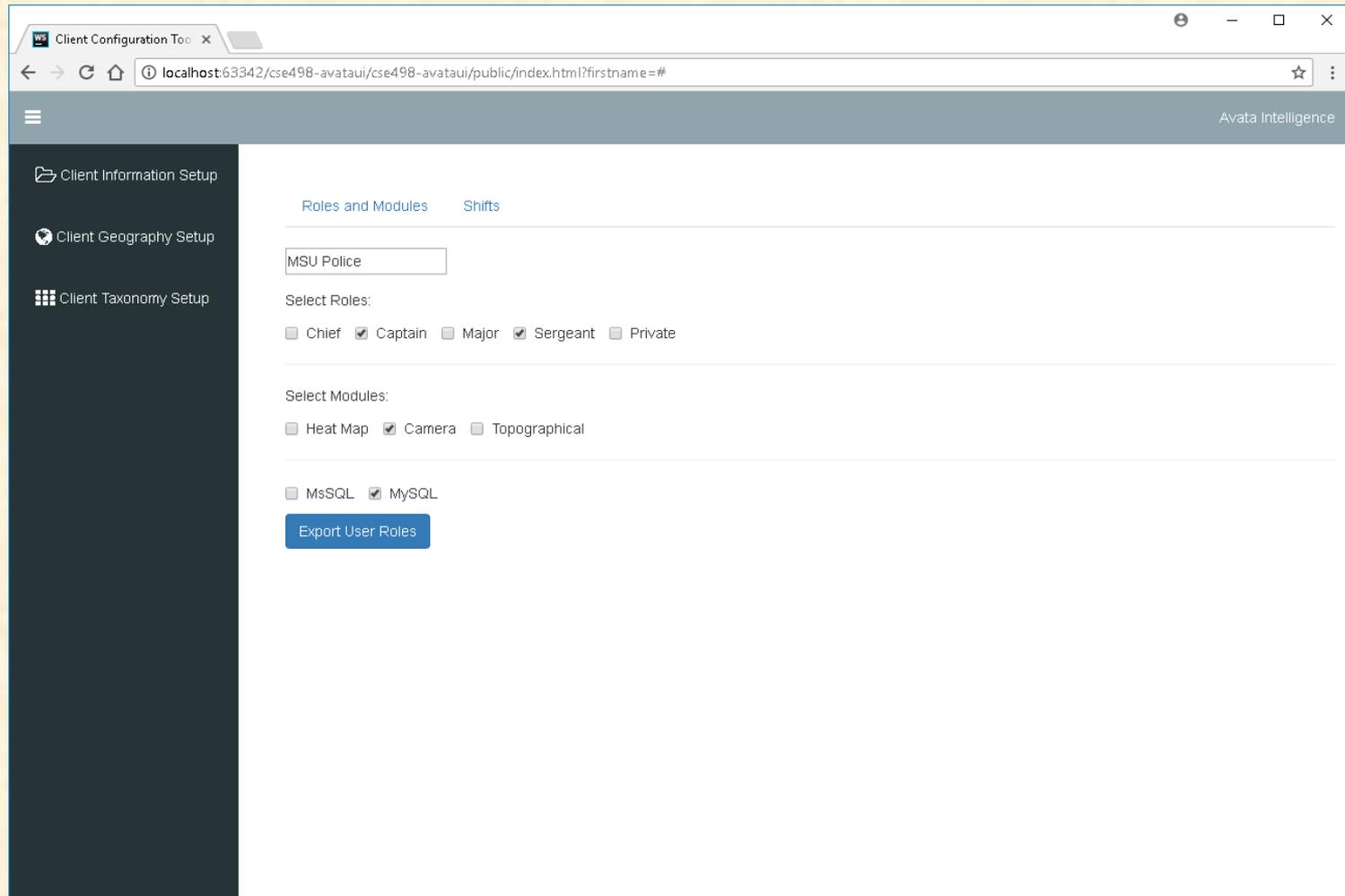
- Niche client base in police and law enforcement
- Reduce time it takes for Avata to onboard clients
- 3 modules to implement:
 - Client information
 - Geography
 - Taxonomy



System Architecture



Information Setup: Roles & Modules



The screenshot displays the Avata Intelligence Client Configuration Tool interface. The browser address bar shows the URL: localhost:63342/cse498-avataui/cse498-avataui/public/index.html?firstname=#. The application header includes a hamburger menu icon and the text "Avata Intelligence". The left sidebar contains three menu items: "Client Information Setup", "Client Geography Setup", and "Client Taxonomy Setup". The main content area is titled "Roles and Modules" and "Shifts". It features a text input field containing "MSU Police". Below this, there are two sections: "Select Roles:" and "Select Modules:". The "Select Roles:" section includes checkboxes for "Chief", "Captain" (checked), "Major", "Sergeant" (checked), and "Private". The "Select Modules:" section includes checkboxes for "Heat Map", "Camera" (checked), and "Topographical". At the bottom of the form, there are checkboxes for "MsSQL" and "MySQL" (checked), and a blue button labeled "Export User Roles".



Information Setup: Shifts

Client Configuration Tool

localhost:63342/cse498-avataui/cse498-avataui/public/index.html?firstname=#

Avata Intelligence

Roles and Modules Shifts

MSU Police

User Display

Shift Name Start Time End Time

Shift Name Start Time End Time

Add Shift

Reports

Add Shift Use same as above

Deployments

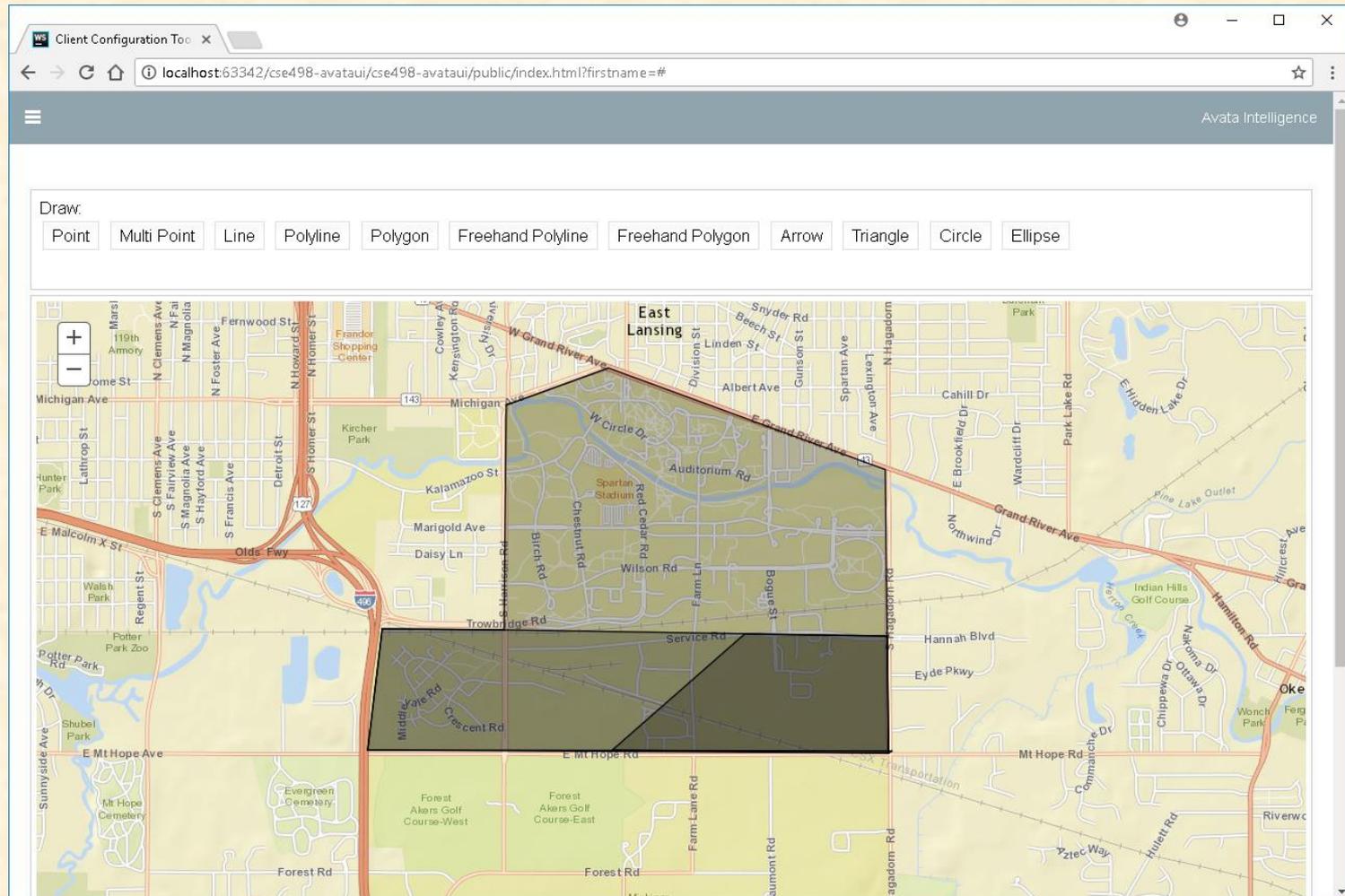
Add Shifts Use same as above

MsSQL MySQL

Export Shifts



Geography Setup



Taxonomy Setup

The screenshot displays the 'Client Configuration Tool' web interface. The browser address bar shows the URL: localhost:63342/cse498-avataui/cse498-avataui/public/index.html?firstname=#. The page title is 'Avata Intelligence'. A search bar at the top left contains the text 'MSU Police'. The main content area is divided into two columns. The left column, titled 'Crime Groups', lists three categories: '1. User Interface Groups' (with a 'Violent' button and a '+ Add Crime Group' button), '2. Report' (with a '+ Add Crime Group' button), and '3. Deployment' (with a '+ Add Crime Group' button). At the bottom of this column are radio buttons for 'MsSQL' and 'MySQL', and an 'Export' button. The right column, titled 'Crime Categories', contains a single 'Non-Violent' button.



What's left to do?

- Finish UI
 - Buttons
 - Sidebars
- Encapsulate front-end data in format that back-end can consume
- Export MsSQL/MySQL file
- Implement front-end validation for polygon overlapping
- Finish data hierarchy
 - Geography
 - Taxonomy



Questions?

?

?

?

?

?

?

?

?

?

