

**MICHIGAN STATE**  

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**UNIVERSITY**

# Alpha Presentation

## Recovery of Lost and Stolen IT Assets

### The Capstone Experience

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

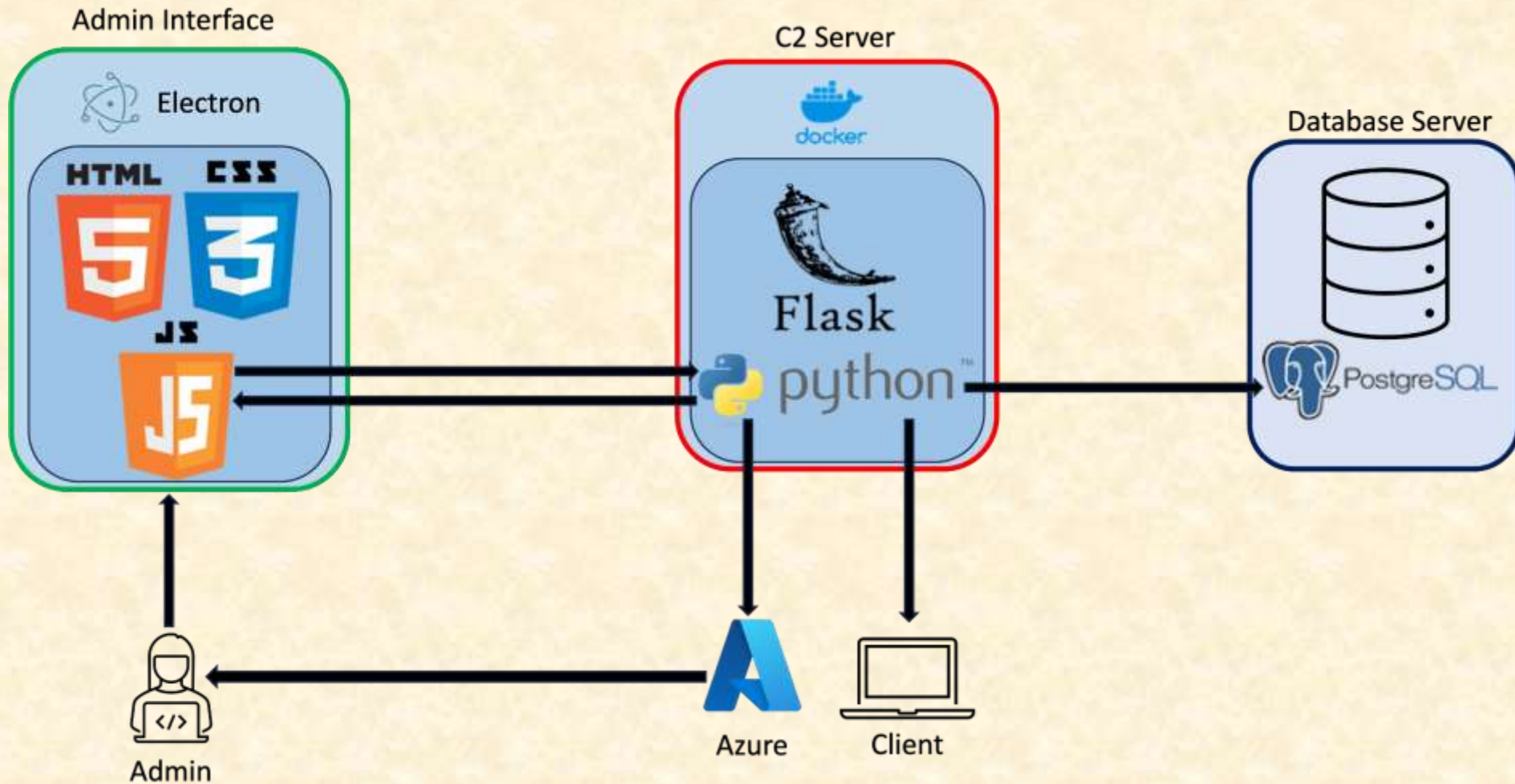
# Project Overview

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- Multinational corporation with over 165,000 employees
- Streamlines and automates the process
- Multiple lockdown requests, email digests and device status
- Utilizes Electron framework, Flask framework, PostgreSQL and PowerShell



# System Architecture



# User Dashboard

The screenshot shows a web application window titled "User Dashboard" with a menu bar (File, Edit, View, Window, Help) and a user name "John Doe" in the top right. The main content area is divided into two sections:

- Search Device:** A form with three input fields: "Employee ID:" (containing "ID"), "First Name:" (containing "First Name"), and "Last Name:" (containing "Jones"). A blue "Search" button is located below the fields.
- Results:** A table with the following data:

Name	ID	Status
Scott Jones	10002	Pending
Emily Jones	128	Normal

A small GM logo is visible in the bottom left corner of the dashboard.



# Admin Dashboard

The screenshot displays an Admin Dashboard interface. On the left, there is a 'Device Search' section with a search form. The form includes fields for Employee ID, First Name, Last Name, and Country, along with a 'Search' button. Below these are dropdown menus for 'Lock Type' (set to 'Lock') and 'Lock Pop-up' (set to 'Email'), and a 'Re-enter Password' field with a 'Submit' button. On the right, a 'Results' table lists search results with columns for ID, Name, Hostname, Device OS, and Status. The table contains 10 rows of data, with some rows selected. At the bottom right of the table, there are 'Select All' and 'Clear Table' buttons.

	ID	Name	Hostname	Device OS	Status
<input type="checkbox"/>	10001	Eric Grant	usitlinuxgrant10001	Ubuntu	Normal
<input checked="" type="checkbox"/>	10002	Scott Jones	usitwindowsjones10002	Windows 10	Normal
<input checked="" type="checkbox"/>	126	John Smith	usmarketingwindowssmith126	Windows 10	Normal
<input type="checkbox"/>	128	Emily Jones	usmarketingmacjones128	MacOS Sonoma	Normal
<input type="checkbox"/>	129	John Perry	usfinanceperry129	Windows 10	Normal
<input type="checkbox"/>	133	Alan Vazquez	usegrmacvazquez133	MacOS Sonoma	Lock
<input checked="" type="checkbox"/>	127	Jane Doe	usegrwindowsdoe127	Windows 10	Normal
<input type="checkbox"/>	134	Oscar Ramos	ushrmacramos134	MacOS Sonoma	Normal



# Queue Dashboard

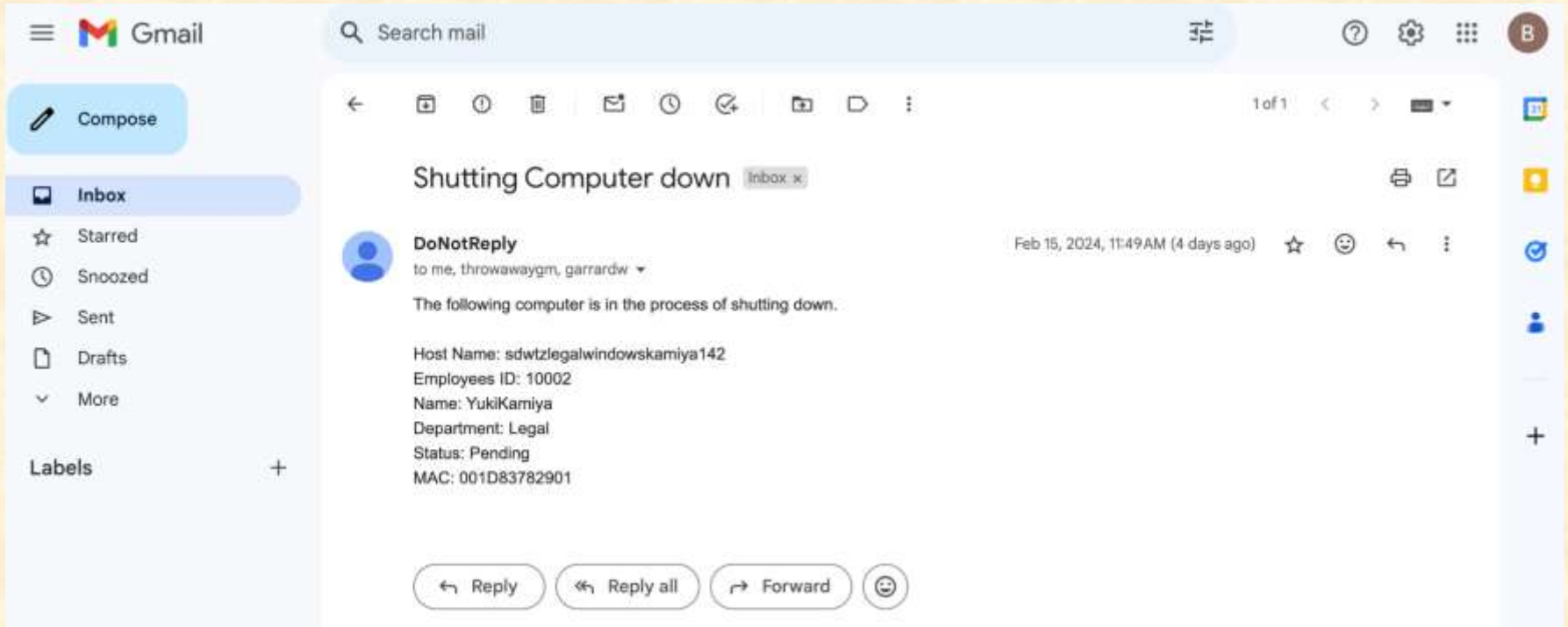
The screenshot shows a web application window titled "Queue Dashboard" with a menu bar (File, Edit, View, Window, Help) and a home icon. The main content area is titled "Queue" and contains a table with the following data:

	Hostname	Set Status	Active Status	Set Time
<input type="checkbox"/>	swtzlegalwindowskamiya142	Lock	Normal	Mon, 19 Feb 2024 23:07:33 GMT
<input type="checkbox"/>	usegrwindowsdoe127	Lock	Normal	Mon, 19 Feb 2024 23:22:28 GMT
<input type="checkbox"/>	usitwindowsjones10002	Timelock	Normal	Thu, 29 Feb 2024 00:00:00 GMT
<input type="checkbox"/>	usmarketingwindowssmith126	Timelock	Normal	Thu, 29 Feb 2024 00:00:00 GMT

Below the table is a "Select All" button. On the right side of the dashboard, there are two buttons: a blue "Confirm" button and a red "Deny" button. A small logo is visible in the bottom left corner of the application window.



# Email Digest



# What's left to do?

- Finish the local control scripts
- Make email dynamic
- Dual authentication
- General Bug Fixes
- Stretch goals:
  - Windows service application
  - Bash Scripting





# Questions?

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