MICHIGAN STATE
U N I V E R S I T Y

Beta Presentation
Recovery of Lost and Stolen IT Assets

The Capstone Experience

Team GM

Auden Garrard
Seth Youngstrom
Jemin Han
Joel Marshall
Hunter Jones

Department of Computer Science and Engineering
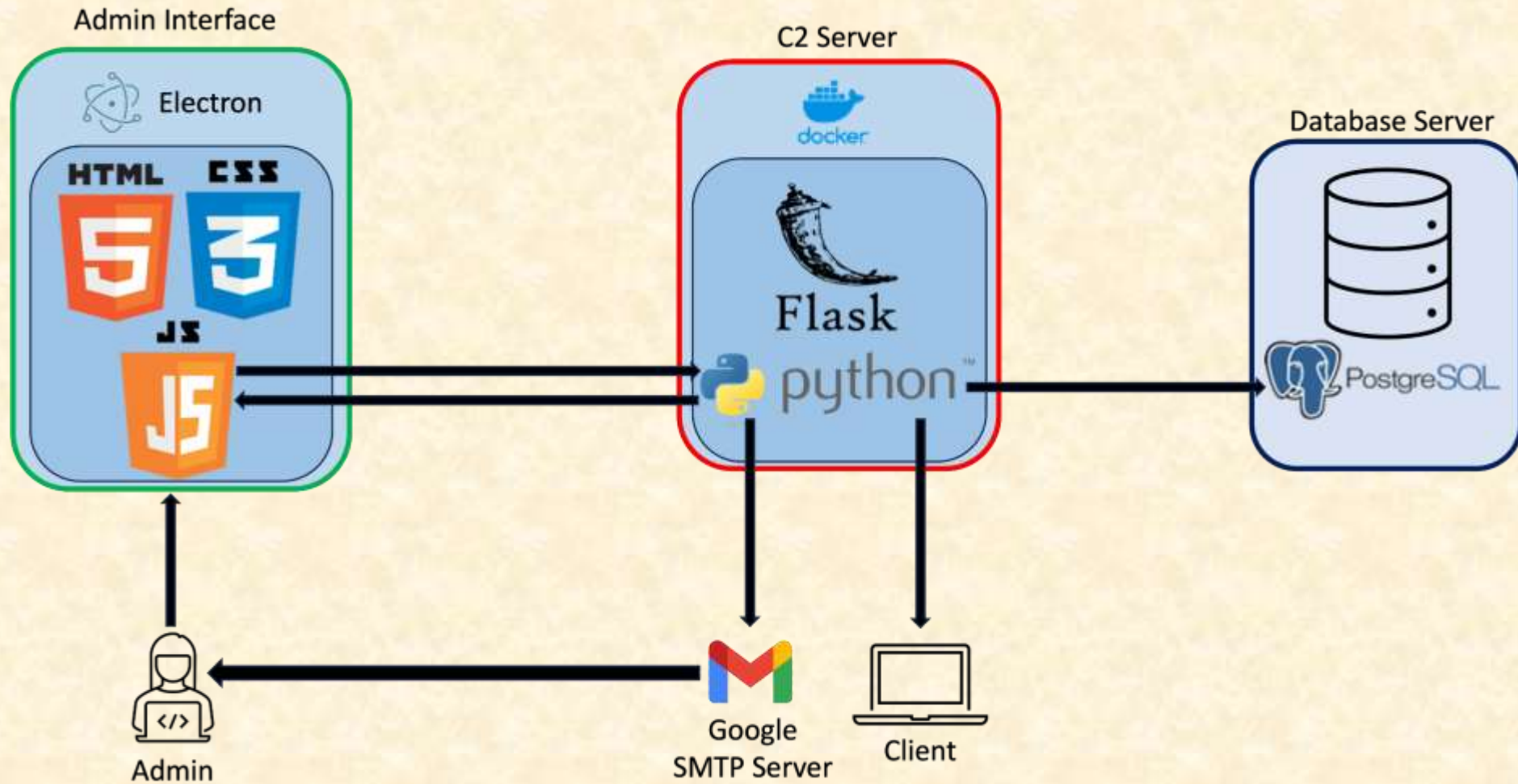Michigan State University

Spring 2024

From Students…
…to Professionals

Project Overview

- Multinational corporation with over 165,000 employees

- Streamlines and automates the process of lost computer lockdown

- Multiple lockdown requests, scheduled lockdown, automated emails and device status

- Utilizes Electron framework, Flask framework, PostgreSQL and a Windows Service Application

System Architecture

User Dashboard

Admin Dashboard

Queue Dashboard

Email Digest Dashboard

What's left to do?

- Features
- Stretch Goals
  - Kubernetes
  - Bash Scripting
  - Microservice
- Other Tasks
  - Secrets
  - Logging
  - Expand CSV Import
  - General Bug Fixes

Questions?