

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

# Alpha Presentation

## ARIN Application Launcher

The Capstone Experience

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

Department of Computer Science and Engineering  
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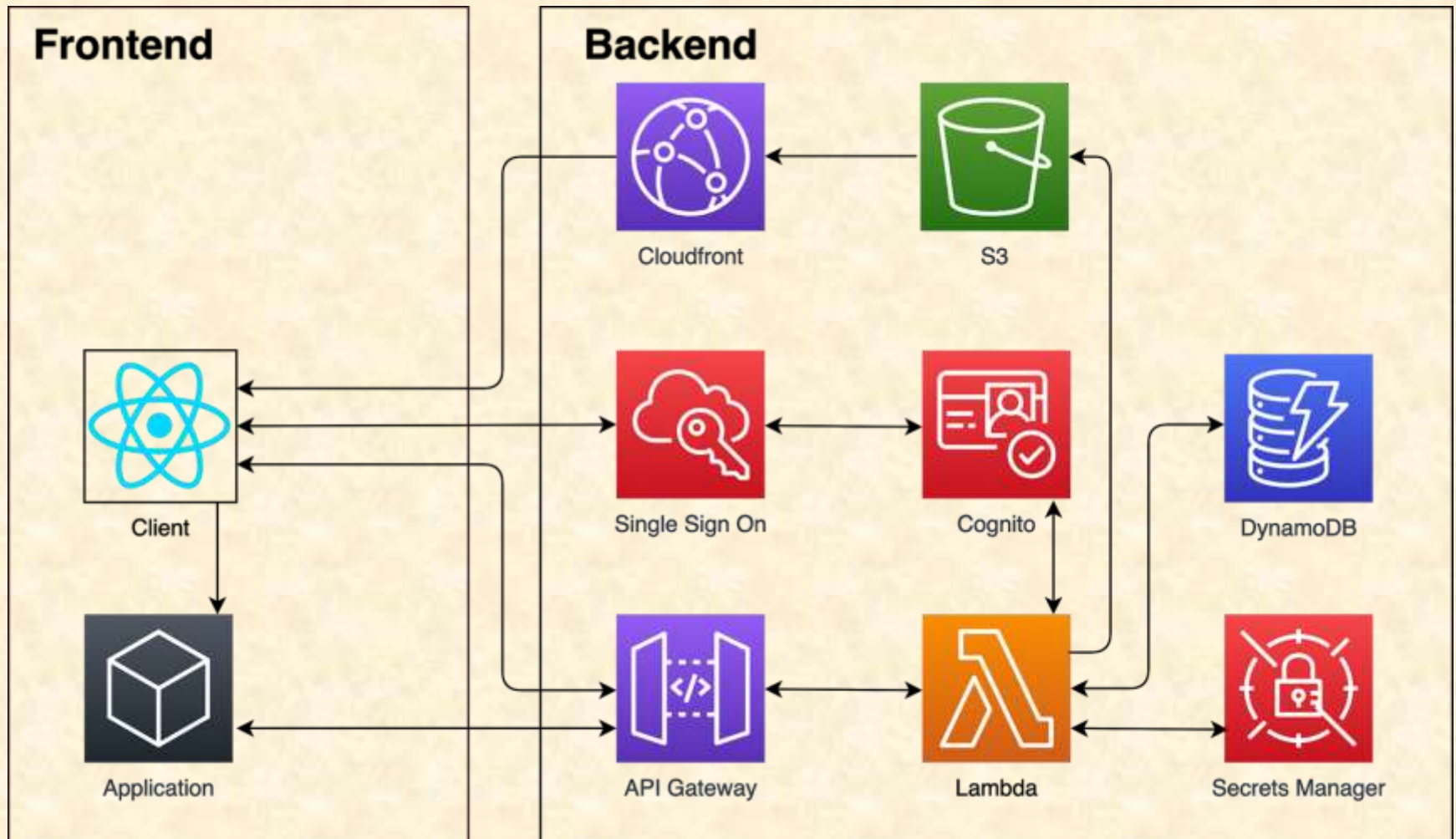
# Project Overview

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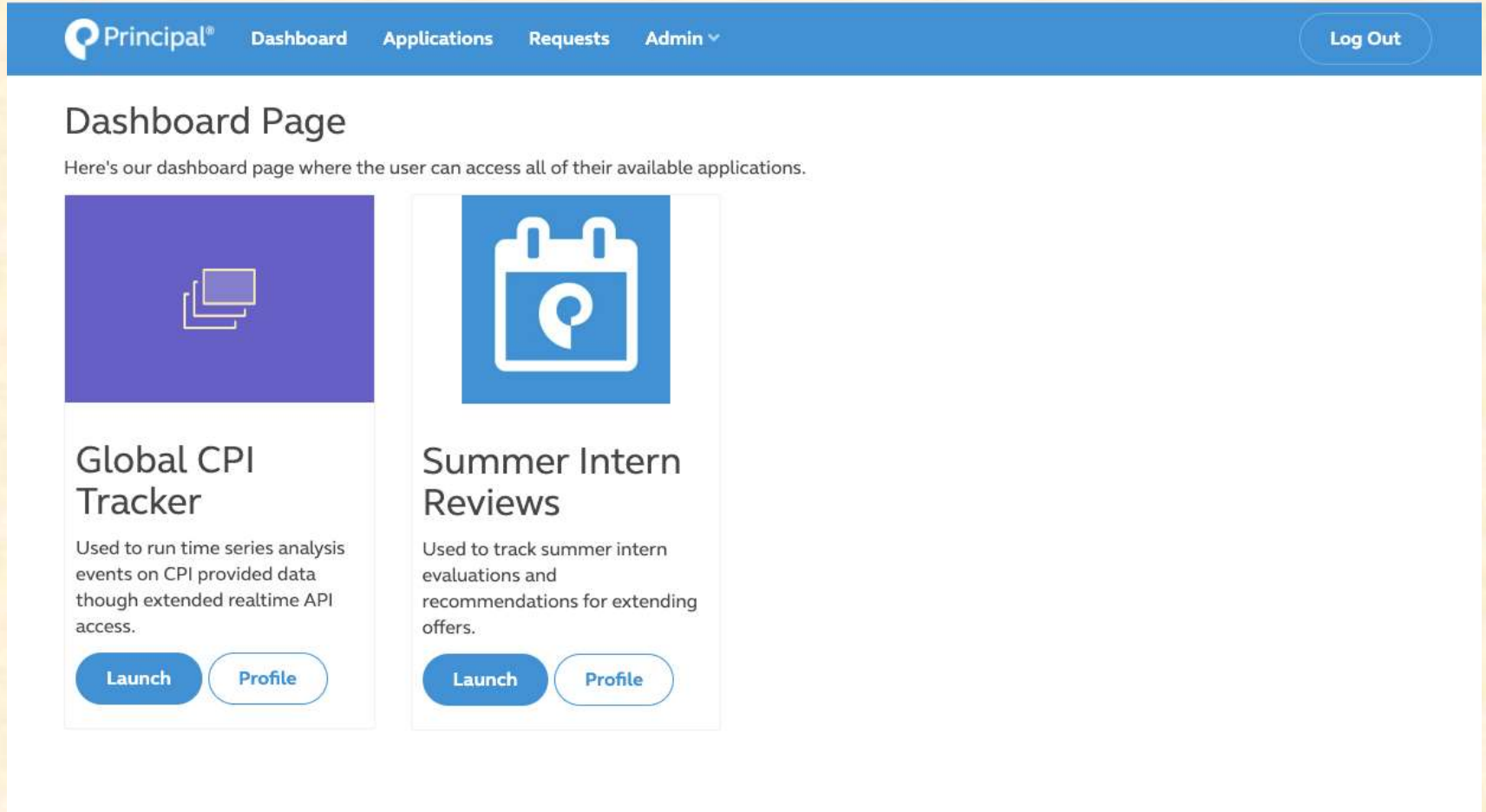
- Principal employees use many web apps
- ARIN Application Launcher centralizes sign-ins
- Users can launch or request access to various apps
- Admins can approve/reject requests and add new apps



# System Architecture



# Dashboard Page




The screenshot displays the Principal dashboard interface. At the top, a blue navigation bar contains the Principal logo, followed by menu items: Dashboard, Applications, Requests, and Admin with a dropdown arrow. A Log Out button is positioned on the right side of the navigation bar. Below the navigation bar, the main content area is titled "Dashboard Page" and includes a sub-header: "Here's our dashboard page where the user can access all of their available applications." Two application cards are presented side-by-side. The first card, "Global CPI Tracker", features a purple header with a white icon of overlapping rectangles. Its description states it is used for time series analysis of CPI data via an extended API. It includes "Launch" and "Profile" buttons. The second card, "Summer Intern Reviews", has a blue header with a white calendar icon containing the Principal logo. Its description notes it is used for tracking intern evaluations and offers. It also includes "Launch" and "Profile" buttons.

Principal® Dashboard Applications Requests Admin ▾ Log Out

## Dashboard Page


Here's our dashboard page where the user can access all of their available applications.



### Global CPI Tracker

Used to run time series analysis events on CPI provided data through extended realtime API access.

[Launch](#) [Profile](#)



### Summer Intern Reviews

Used to track summer intern evaluations and recommendations for extending offers.

[Launch](#) [Profile](#)




# Applications Page

The screenshot shows a web application interface for Principal. At the top is a blue navigation bar with the Principal logo on the left and menu items: Dashboard, Applications (highlighted), Requests, and Admin with a dropdown arrow. On the right of the navigation bar is a rounded button labeled 'Log Out'. Below the navigation bar is the main content area titled 'Applications Page'. A paragraph of text explains that this page lists available applications with descriptions and launch/request links, and that admins can create new applications. Below this text are three application cards. Each card features an icon, a title, a description, and two buttons: 'Request' (solid blue) and 'Profile' (white with blue border). The first card has a star icon and is titled 'Application Reviews'. The second card has a calendar icon and is titled 'Principal Calendar'. The third card has a Bitcoin symbol icon and is titled 'Financial Reports'.

Principal® Dashboard Applications Requests Admin ▾ Log Out

## Applications Page


Here's our applications page where a user will be able to see a listing of all available applications, with a short description and a link to launch it, or request access to it. An admin will also be able to create a new application from here.



### Application Reviews

This applications allows members of Principal Financial to review employees and to give recommendations on improving their workplace performance.


[Request](#) [Profile](#)



### Principal Calendar

This application allows the user to view important times and dates. The system would send a alert email to the user on a impartant date.

[Request](#) [Profile](#)



### Financial Reports

This applications allows members of Principal Financial to view financial information, print all the reports online and share with others.

[Request](#) [Profile](#)



# New Application Page

The screenshot shows the 'Application Profile Page' in the Principal system. The top navigation bar includes 'Principal', 'Dashboard', 'Applications', 'Requests', 'Admin', and a 'Log Out' button. The main content area is titled 'Application Profile Page' and contains a description of the application. Below this, there are sections for 'Application Info' (Name: Time Tracking, Description: This application will be used by the summer intern program to facilitate time tracking.) and 'Roles'. The 'Roles' section is a table with columns for Name, Description, and Delete. It lists two roles: 'Approver' and 'Submitted'. At the bottom, there are buttons for '+New Role' and 'Create Application'.

**Principal** Dashboard Applications Requests Admin Log Out

## Application Profile Page

Here's the application profile page where a user will be able to see the description of the application and launch it or request access.

### Application Info

**Name**

Time Tracking

**Description**

This application will be used by the summer intern program to facilitate time tracking.

### Roles

Name	Description	Delete
Approver	This role can approve time sheets for subordinates	
Submitted	This role can submit time sheets to be approved	

[+New Role](#)

[Create Application](#)



# Admin View Requests

The screenshot displays the 'Requests Page' in the Principal application. The navigation bar includes 'Dashboard', 'Applications', 'Requests', and 'Admin'. A 'Log Out' button is in the top right. The page title is 'Requests Page', followed by a description: 'Here's the requests page where a user can see the status of their pending requests and an admin can approve or deny them.' Below this is a table with four rows of requests. Each row contains the user's name, the application they requested, their role, and two buttons: 'Approve' (blue) and 'Deny' (orange).

User Name	Application	Role	Approve	Deny
Tommy	Application Reviews	Reviewer	Approve	Deny
John	Calendar	Admin	Approve	Deny
Lucy	Calendar	User	Approve	Deny
Tommy	Financial Reports	Reviewee	Approve	Deny



# What's left to do?

- Connect images from S3 Bucket to DynamoDB
- Give admins ability to bypass requests
- Transfer functions from Flask to Lambda
- Coordinate UI design with Principal Specialist
- Implement routes for consumer applications to obtain data from backend





# Questions?

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