

Florida International University

Fall 2024 Senior Design Project

Job Application Helper

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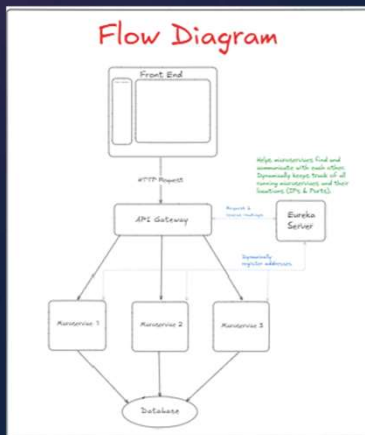
Instructor/Faculty: Masoud Sadjadi, Florida International University

PROBLEM

As students, we often struggled to balance all the jobs and internships we've applied to.

We mobilized to solve this problem by giving users a central hub that they can access that stores all the jobs they've applied to in one place and the current status of the application.

SYSTEM DESIGN

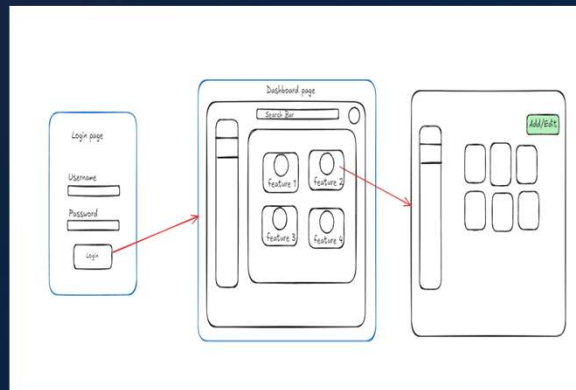


CURRENT SYSTEM

We began building the system with no prior work being done in previous semesters.

The current system allows for the creation of a user, job application to track, status of application, and a web scrapper that automatically adds application to the dashboard.

OBJECT DESIGN



REQUIREMENTS

The requirements of my task were: Develop the backend using a microservice architecture where each service will register with an eureka server and the API gateway will redirect the requests. Also, I developed a security module using JWT to verify request once the user has logged in.

IMPLEMENTATION



VERIFICATION

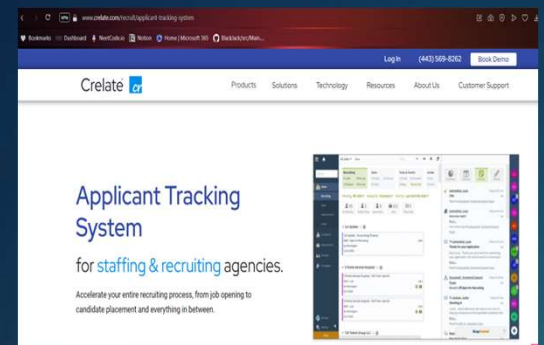
Each member worked diligently to complete the user stories assigned to them. Any issues that were encountered were brought up and solved in the scrum meetings, and each member dedicated time to help one another through each sprint.

All changes were documented and communicated before being uploaded to GitHub for version control.

SUMMARY

As a team, we were able to produce a product that helped users tackle the often overwhelming task of tracking job or internship applications that is also secure and easy to use.

REFERENCES



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