

# Army Reserve Pacific Talent Management Marketplace

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#### Introduction / Problem:

The Army Reserve requires a centralized talent marketplace to efficiently advertise critical job vacancies to registered talents.

Talents need to submit their resumes in a **standardized** format and managers need to be able to quickly identify best candidates by their skills and experiences.

# Solution:



- A web application for talent management in the military, featuring secure login, role-based access, databases for users, job vacancies, and resumes. It allows **users** to manage profiles, jobs, and documents; **managers** to handle job postings and applicant reviews; and **admins** to oversee user and job data management.
- **Tech Stack:** React with JWT Authentication, Axios, Node.js Express, MySQL, Flask, Bootstrap, HTML, CSS

## Methodology / Process:

#### Agile software development:

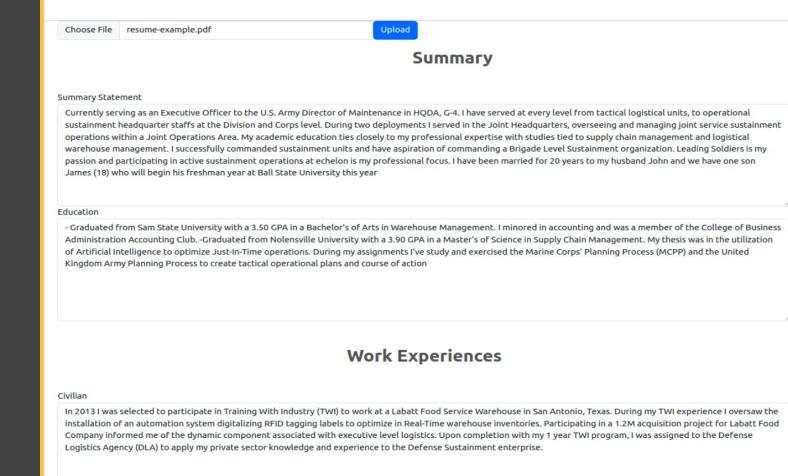
- 1. Requirement Gathering and Analysis: understanding the needs and expectations of the client
- 2. Design: create a mockup
- 3. Development: actual coding and development work, incremenently using GitHub branches
- Delivery: present updates at client meetings
- 5. Check for bugs and defects after every update.
- a. Reported defects via discord and perform fixes when possible
- b. Gather feedback from client
- 6. Documentation: Includes creating user guide, software architecture and code documentation

# Images:

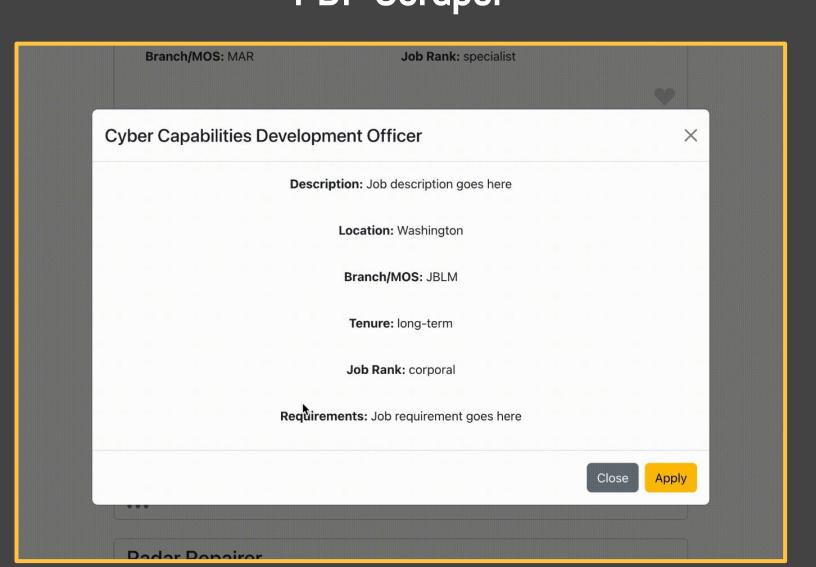
RESERVE



**Current Job Opportunities** 



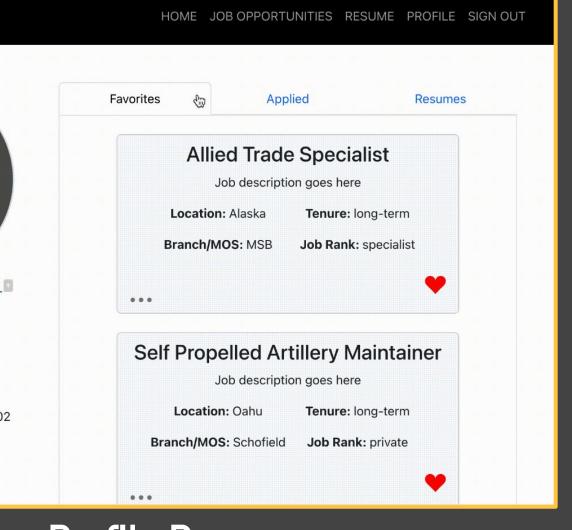
#### PDF Scraper

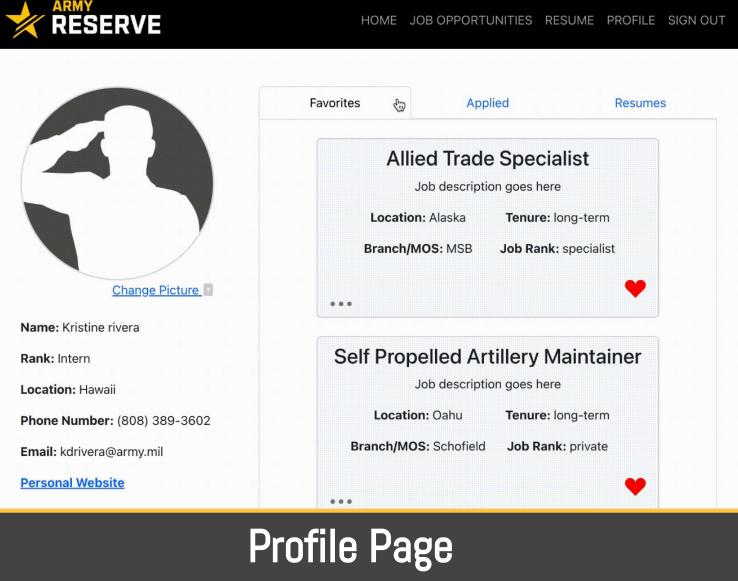


Job Opportunity Details

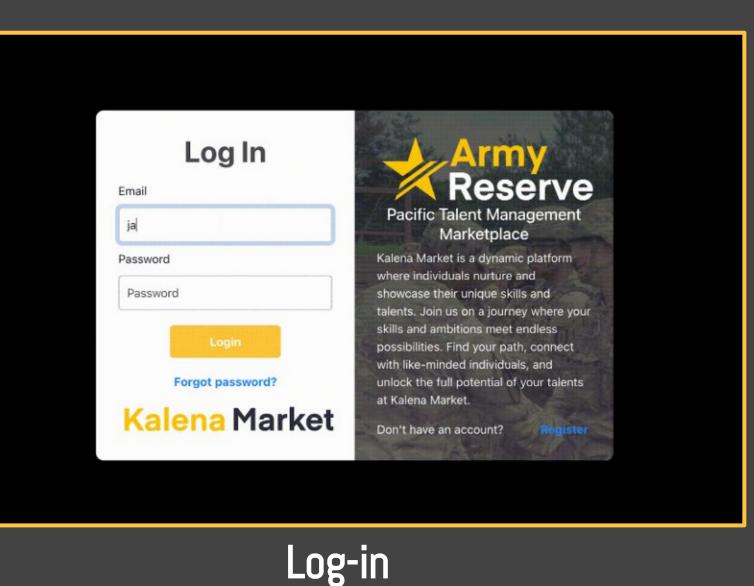
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Phone Number: (808) 389-3

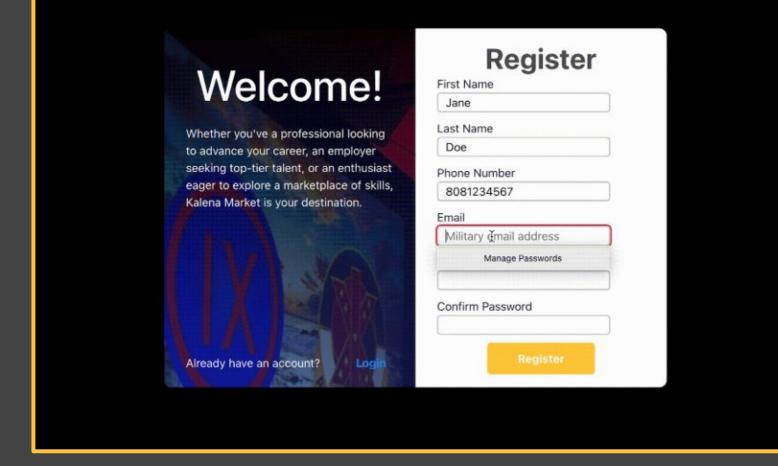




Job Opportunities List



Welcome!



Like Button

Register

# Accomplishments:

- Database & User Authentication
- Home Page
- User Profile Page
- Jobs Opportunities Page
- Feature: PDF Scraper using standardized PDF (Talent Profile)
- Feature: Like Button

# Challenges / Issues:

- Learn multiple technologies to execute this project, including setting up a virtual machine (VMWare) for standardized work environment.
- Configuring a tech stack suitable for client and software team in the allotted project time frame.
- Coming to a consensus on what we could implement within the time frame we had.
- Created mockups and performed demos for our client to confirm the product in-progress met their expectations.

## Learnings:

- Adaptability to (clients) various technologies and constraints.
- Communication
- Better to rely on a CSS framework like Bootstrap than just using CSS.
- JWT Authentication
- Setting up a MySQL database, Node.js server, and Flask server (enabling use of Python library, PDFQuery, to scrape PDF files)
- Debug and connect the back-end with the help of Postman, and Curl.



