

NC STATE

JTracker (Job Tracker)

Group 17

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Introduction

- 1) JTracker is an open source job tracking software platform that eases the process of applying to jobs.
- 2) With the help of JTracker, job seekers can easily keep all the information in one place. This includes tracking applications, wish lists, rejects and acceptances. JTracker also keeps a record of resume and skills for the person.
- 3) It provides an efficient search feature to filter out applications based on keywords.
- 4) JTracker uses Flask and python as its backend framework to create a monolithic architecture with all logic tightly coupled. It uses React to create interactive UI components and static CSS for application styling.
- 5) Docker is used to containerize applications and shell scripts are written to setup and install dependencies.

Before JTracker

- 1) Traditional methods like spreadsheets may scatter data across multiple files, making it hard to manage and track.
- 2) There is no quick search option and requires manual scanning through notes
- 3) Always there is risk present of data loss if notebook is lost or files are corrupted
- 4) As there is lack of visual tracking, users need to tally progress manually
- 5) Users need to maintain and monitor the application status manually

Scan Me

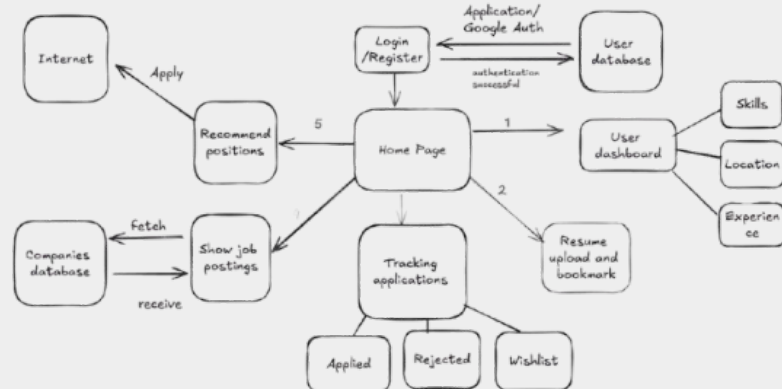


Technology Stack



User workflow

- 1) A new incoming user of the software first registers in the platform. Existing users can simply log in. The user details are stored inside the database and a session is maintained. There is also an option to use Google Auth.
- 2) Software contains a personalized dashboard which can be used by the user to enter their skills, experience and preferred locations.
- 3) User can track jobs they have applied to using this application. Tracking involves segregating applications into waitlists, accepts, rejects, waiting for referrals etc.
- 4) The platform recommends jobs and helps user apply to jobs that require matching skill set.
- 5) Allows user to upload resumes and bookmark job recommendations.



What's new?

- 1) Changing the backend to microservice architecture
- 2) Using Public APIs to fetch daily job postings from different aggregation platform. Filtering the response based on job seeker requirements.
- 3) Making a chrome extension to autofill details in job postings. This extension will also act as a mini job tracker.
- 4) Integrating application deadlines and interview scheduling with google calendar and notion APIs
- 5) Making a resume shortlisting interactive dashboard for recruiters.
- 6) Using react testing + cypress for frontend testing

Application Tracking System

Form fields: Login, Signup, Full name (Prithish Samanta), Username (Prithish), Password (masked), Sign Up, Google Signup.