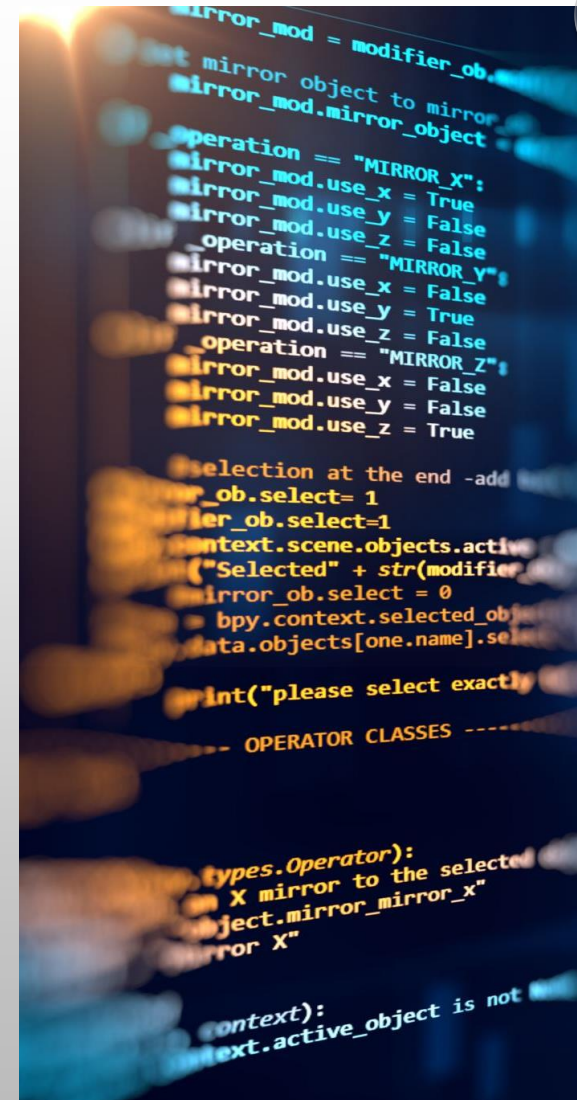


TECHTRACK – JOB SEARCH MANAGEMENT PLATFORM

PERSONAL PROJECT
BY EDEN OVAD



WHAT IS TECHTRACK?

TechTrack is a job search management platform designed to streamline the job search process in the tech industry. It features a dynamic list of companies with detailed information and job links, alongside robust resume management capabilities with version control. The platform integrates with a CSV file that works closely with a PostgreSQL database, allowing users to efficiently import, update, and manage company data.

COMPANY MANAGEMENT FEATURES

- Dynamic Company List: Manage a list of companies with detailed job titles, locations, industries, and websites.
- CSV Integration: Import and sync company data from a CSV file, ensuring data consistency and operational efficiency with PostgreSQL.
- Search Companies: Search for companies based on job title, location, and other attributes.
- Wikipedia Integration: Fetch company details directly from Wikipedia using the company name.

RESUME MANAGEMENT FEATURES

- Upload Resumes: Upload resumes and associate them with specific job titles or fields.
- Version Control: Manage multiple versions of resumes tailored to different job applications.
- Download Resumes: Download resumes in various formats (PDF, Word, or Text).
- View Resumes: Preview resume content directly in the browser.
- Edit/Delete Resumes: Update or delete resumes as needed.

TECH STACK

- FastAPI: Backend framework used to handle API requests and business logic.
- React & TypeScript: Frontend technologies used for creating dynamic and responsive user interfaces.
- PostgreSQL: Relational database for storing company and resume data.
- SQLAlchemy: ORM used for interacting with the PostgreSQL database.
- Pandas: Python library used for handling and manipulating CSV data.
- Wikipedia API: Used to fetch company descriptions and details.

SETUP INSTRUCTIONS

Backend:

- Python 3.x
- PostgreSQL

Frontend:

- npm (Node Package Manager)

Installation Steps:

1. Backend Setup:

```
cd backend
```

```
pip install -r requirements.txt
```

Set up PostgreSQL and configure the database connection in the .env file.

2. Frontend Setup:

```
cd frontend
```

```
npm install
```

3. Running the Project:

- Backend: Start the FastAPI backend server (uvicorn main: app --reload)
- Frontend: Start the React frontend server (npm start)

API ENDPOINTS

- GET /companies: Fetch the list of companies from the database.
- POST /companies: Add a new company to the database.
- PUT /companies/{company_id}: Update company details.
- DELETE /companies/{company_id}: Delete a company from the database.
- POST /import-companies: Upload a CSV file to import company data and synchronize it with the PostgreSQL database.
- GET /resumes: Fetch a list of uploaded resumes.
- POST /resumes/upload: Upload a new resume.
- PUT /resumes/{resume_id}: Update an existing resume.
- DELETE /resumes/{resume_id}: Delete a resume.
- GET /resumes/download/{filename}: Download a resume by filename.
- GET /company-details/{company_name}: Fetch company details from Wikipedia by name.

CONTACT INFORMATION

Name: **Eden Ovad**

Email: edenovad777@gmail.com

LinkedIn: [Eden Ovad](#)

GitHub Project Link: [GitHub Repository for TechTrack](#)