

Team 13

Process Flow



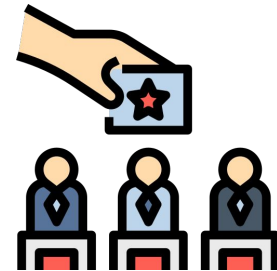
Job Vacancy



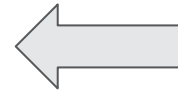
Post Job Position



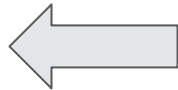
CV Screening



Selection Rounds



Conduct Interview

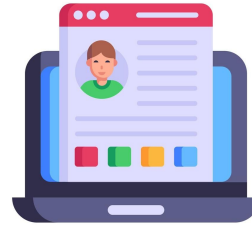


Hiring

Talent Pool



Human Resource



Online Profile



New Applicants



Former Candidates

Why Talent Pool?



Qualified candidates



Save time and money

Pain points



Complicated JD



Wide talent pool

CVSeeker

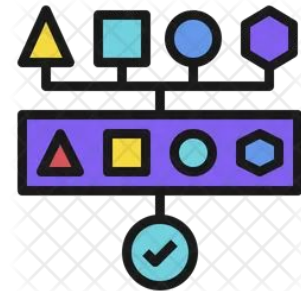
AI-empowered CV processing and Talent acquisition application

01



Streamline Talent Pool Population

02



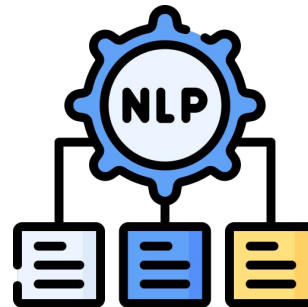
Data Parsing Pipeline

03



Semantic Search Optimization

04



Chatbot Interaction

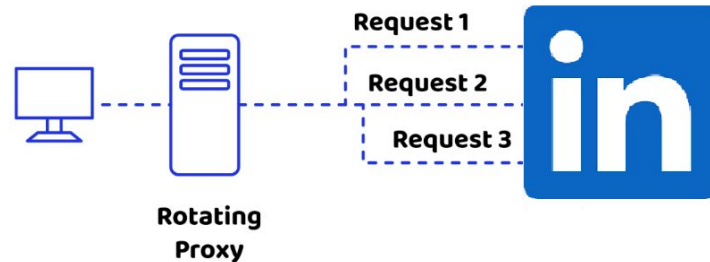


01 Streamline Talent Pool Population

Crawler Service

A service crawls LinkedIn profiles of people via URLs

A Rough Start



Crawler Service

A service crawls LinkedIn profiles of people via URLs

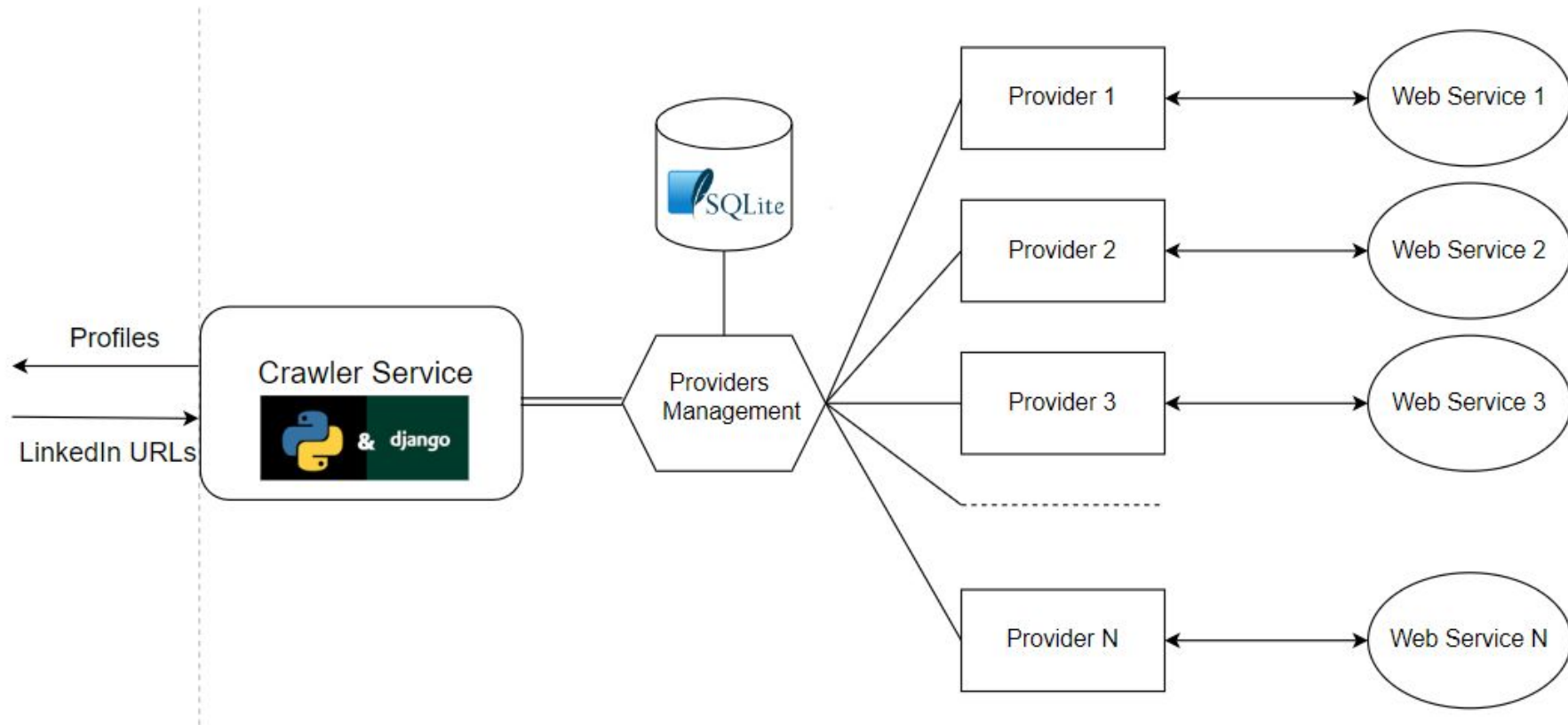
Use Web Services



- Use API
- Scrape that web

Crawler Service

A service crawls LinkedIn profiles of people via URLs



Crawler Service

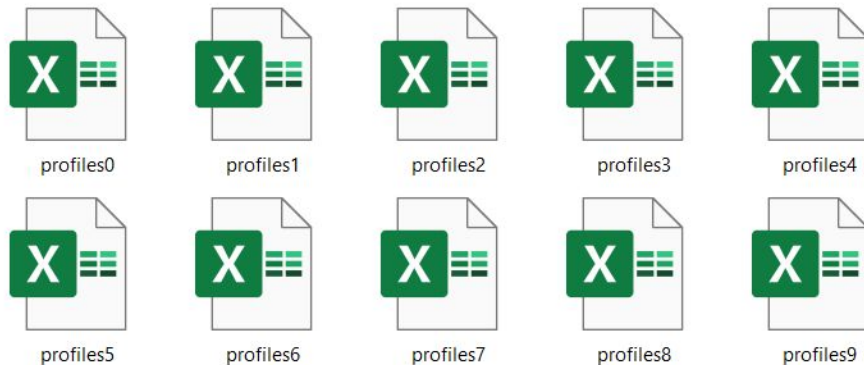
A service crawls LinkedIn profiles of people via URLs

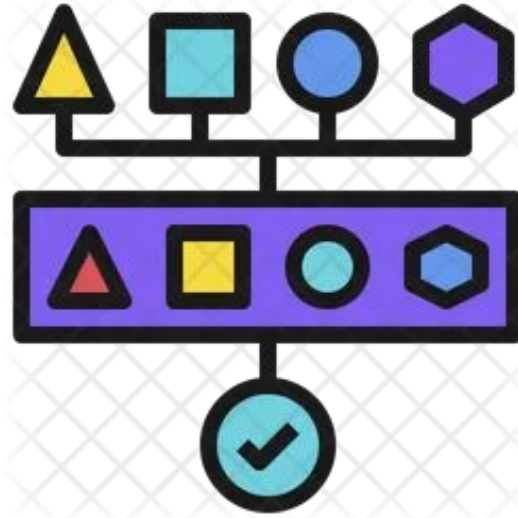
Performance

Approximate: 8 profiles/ 8 seconds

Results

Over 3000 profiles were crawled from LinkedIn

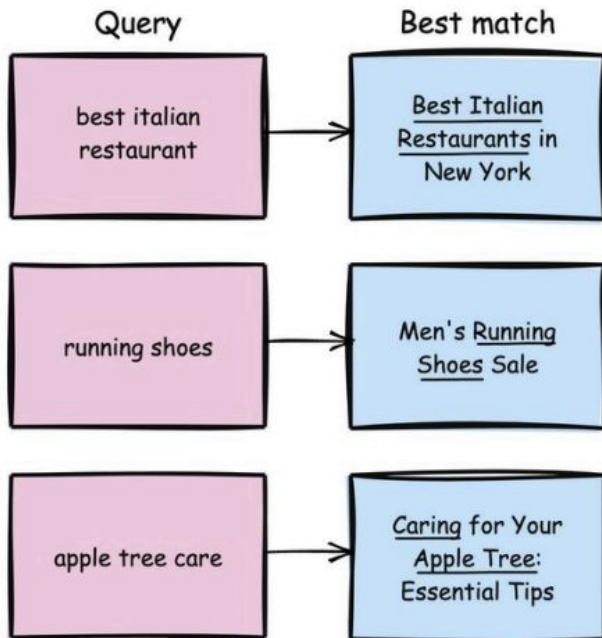




02 Data Parsing Pipeline

Semantic Search

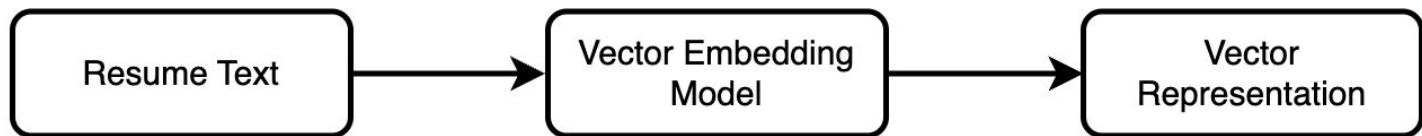
Keyword Search



Semantic Search



Vector Embedding Model

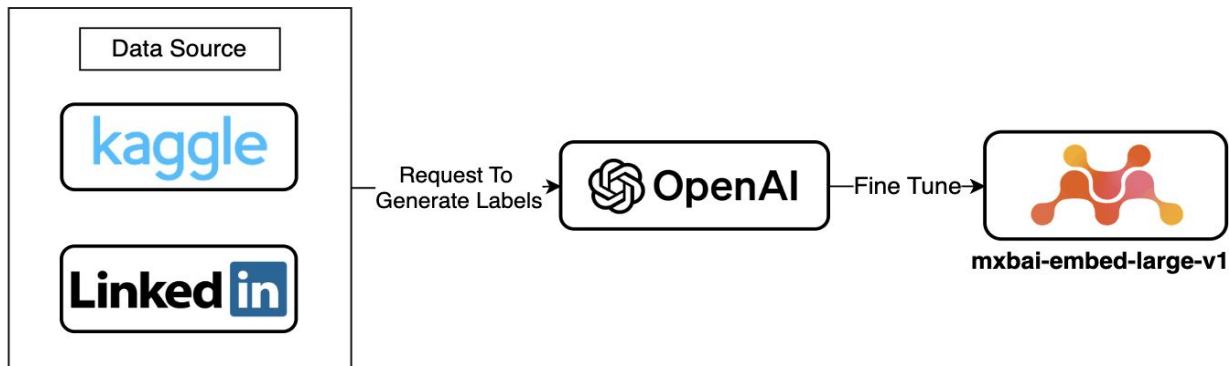


"Senior financial
hospitality executive with
over twenty years of
managerial expertise..."



[0.12, 0.75, -0.33, ..., 0.56]

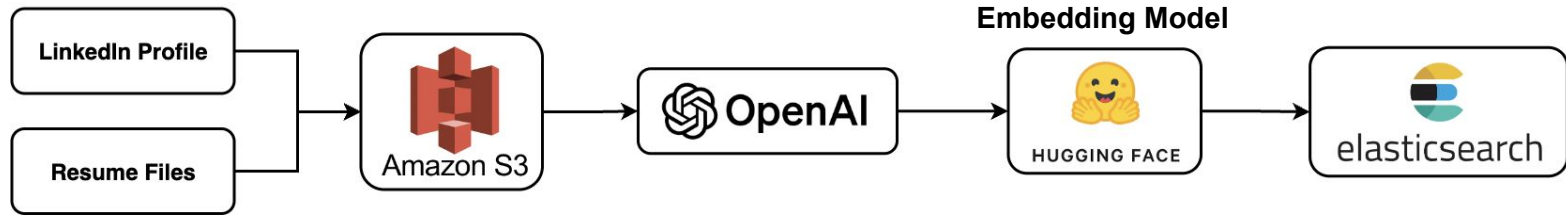
Model Fine Tuning



Performance:

model	Hit-Rate	Model Size (Million Parameters)
text-embedding-3-large	0.818878	
BAAI/bge-large-en	0.775510	335
Finetuned	0.869898	~335

Data Processing Service



Dr. Sarah Rahman


Experienced public health consultant with a strong background in community medicine, microbiology, and internal medicine. Skilled in program implementation, data analysis, and stakeholder engagement.

Education Level	MPH
GPA	0
Majors	Community Medicine, Microbiology, Pathology, Internal Medicine & Psychiatry
University	University of Dhaka













03 Semantic Search Optimization

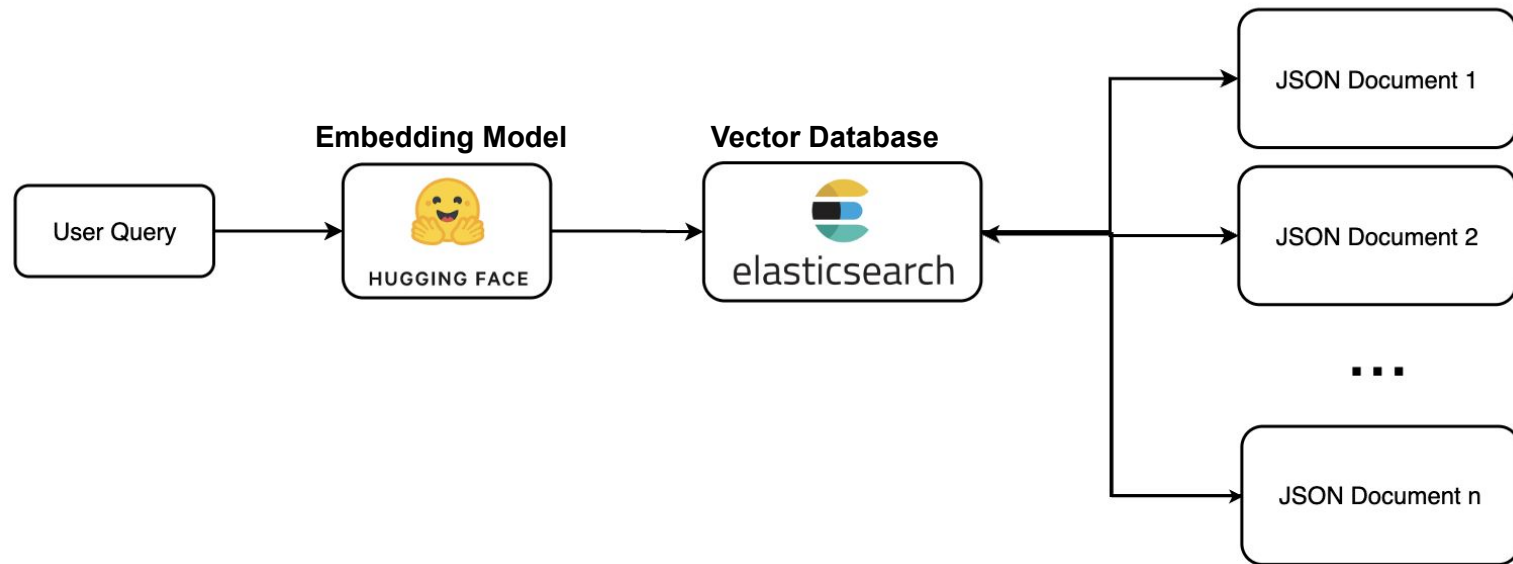
Search Example

Software Development Build the appearance and user-interface of th 

☐ 0 selected

Full Name	Matching Point	Education	
<input type="radio"/> Alexandra Johnson	74.0%	B.A	<div><div> Detail</div><div> Download</div></div>
<input type="radio"/> Chau Dinh	73.2%	Bachelor's degree	<div><div> Detail</div><div> Download</div></div>
<input type="radio"/> Alexandra Reynolds	72.5%	BA	<div><div> Detail</div><div> Download</div></div>
<input type="radio"/> Alexandra Bennett	72.0%	BA	<div><div> Detail</div><div> Download</div></div>
<input type="radio"/> Quoc Huy Vu	71.8%	Master	<div><div> Detail</div><div> Download</div></div>

Search Service





04 Natural Language Interaction

Chatbot Interaction

<<

CV Seeker

🔍 New Search

📄 Upload CV

Threads

2024-05-22 01:39:31

2024-05-21 01:56:16

Give me 2 candidates strongest in communication and why?

Candidates Strongest in Communication:

Amit Sharma:
Skills: Good communication skill, Positive Thinking.
Work Experience: Finance Executive at Fullerton India Home Finance, Financial Analyst at Au Small Finance Bank.
Reason: Amit Sharma stands out for his strong communication skills, which are evident from his work experience in the financial sector where effective communication is crucial for client interactions and financial analysis.

Rajesh Kumar Sharma:
Skills: Sales, Marketing, Communication, Customer Relations.
Work Experience: Partner DSA at Dausa Zone, Sales Executive at Proloan Capital Finance Company, Sales Executive at Finova Capital Finance.
Reason: Rajesh Kumar Sharma excels in communication skills as demonstrated by his roles in sales and customer relations. His experience in sales executive positions highlights his ability to effectively communicate with clients and build strong customer relationships.

Type a message...

➤

Selected items (15)

Alexandra Davis

Rajesh Kumar Sharma

Prof. Ahmed Banafa

Duc Tran

Huong Nguyen

Tuyen Nguyen

Minh Tien Pham

Quốc Phạm Anh

Thuan Tran

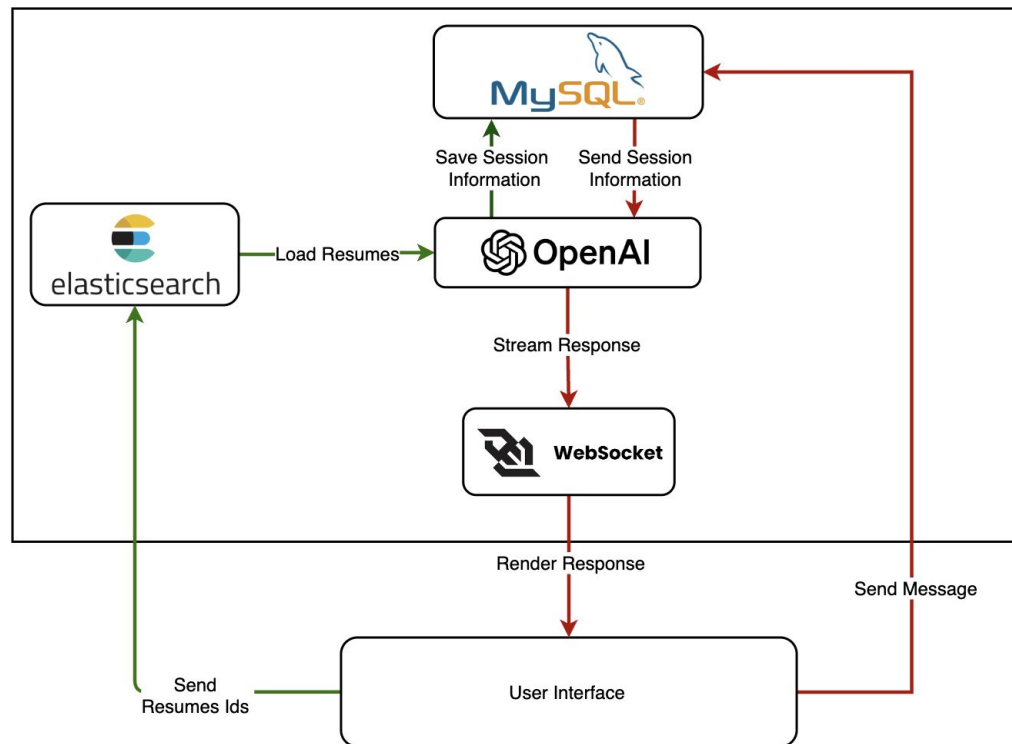
Alexandra Rodriguez

Robbie Nguyen

Dr. Maria Rodriguez

Amit Sharma

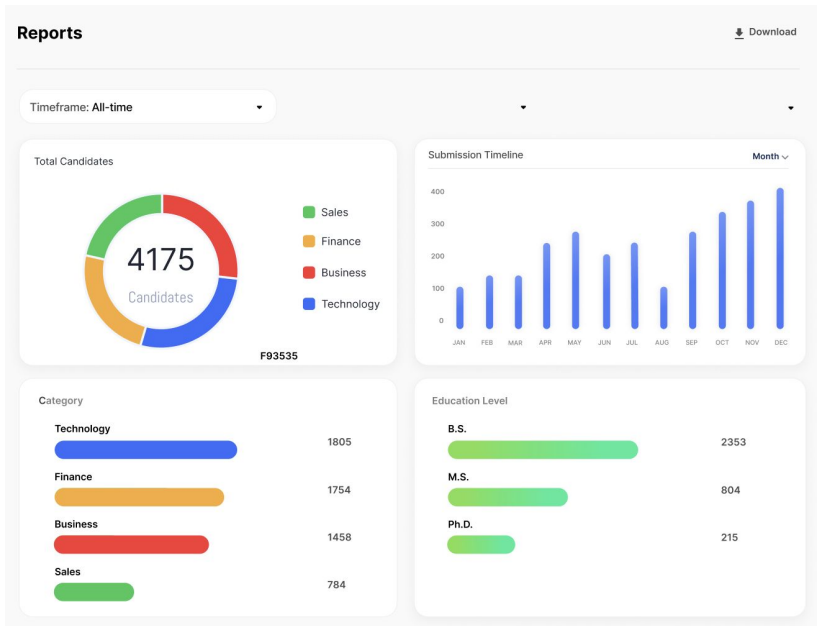
Chatbot Service



Demo

Demo here

Future Improvements



Candidates

Job Details

All Phone Screened Shared Shortlisted Interviewed Job Offered Joined

All Resumes 13 Discovered 17 Github 24

Search: reactJS, redux, Javascript

Share Email Add Tags Export + Add Candidates

<input type="checkbox"/>	File Name	Phone	Email	Grade	Skill Match	Status	Added
<input type="checkbox"/>				B+		Shared	Oct 18th 18
<input type="checkbox"/>				B+		Shared	Oct 17th 18
<input type="checkbox"/>				C		New	Sep 28th 18
<input type="checkbox"/>				E		New	Sep 26th 18
<input type="checkbox"/>				E		New	Oct 18th 18