Developing Advanced Resume Parser with OpenAI, Langchain and Pinecone

SWABHAV techlabs
Delivering Talent with Activated Knowledge

| IT Consulting | Startup| 50 team strength

About Partner

Swabhav Techlabs specializes in sourcing and developing top tech talent for accelerating companies, focusing on roles in software engineering. Providing comprehensive talent solutions, including market research, talent pooling, and mentoring to enhance team productivity and code quality.
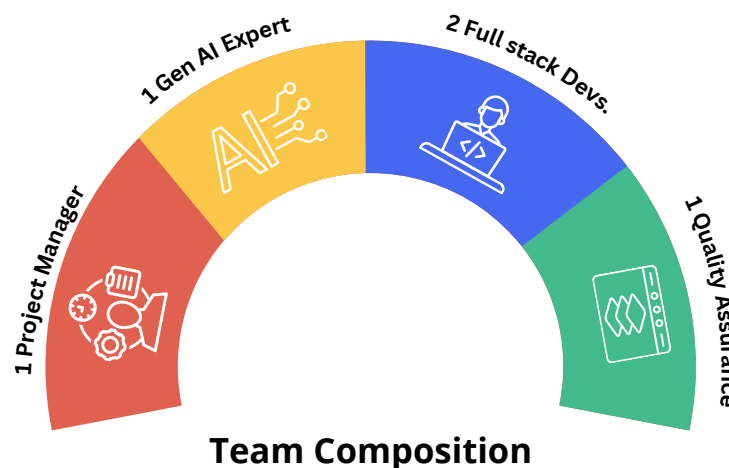
Product Description

ResumeRadar redefines the recruitment process with its innovative resume parsing solution, enabling businesses to streamline candidate evaluation and selection efficiently. Developed using Langchain Framework, Python, Flask, OpenAI, Pinecone, Langsmith, and Langchainhub, ResumeRadar offers recruiters a powerful tool to identify top talent swiftly and accurately.

Business Challenges

Reviewing resumes manually is a time-consuming and labor-intensive process for recruiters, often leading to delays in candidate evaluation and selection. Additionally, traditional resume parsing tools may lack the accuracy and efficiency needed to extract key information effectively.

Our Solution

- ResumeRadar addresses these challenges by offering recruiters an advanced resume parsing solution that leverages AI technologies to extract and analyze key information from candidate resumes quickly and accurately.
- By processing resumes in PDF format, ResumeRadar provides recruiters with valuable insights, including candidate names, skills, education details, qualifications, contact information, and more, within milliseconds.
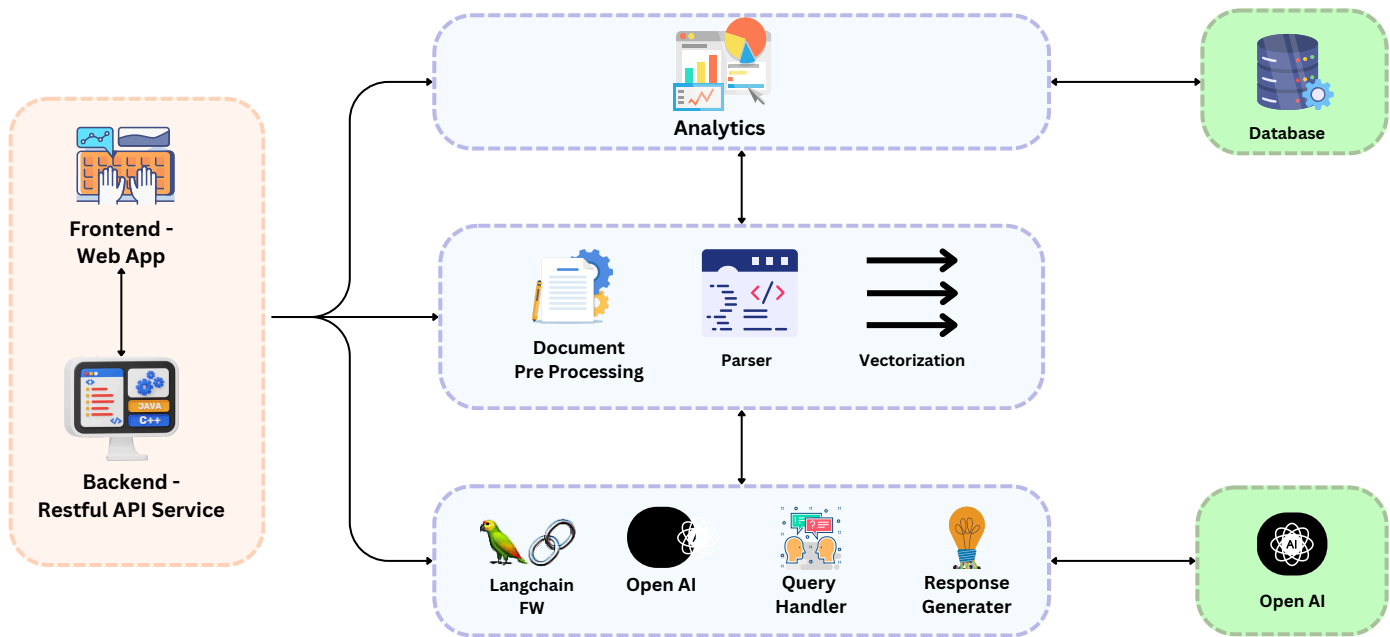

1 Gen AI Expert
2 Full stack Devs.
1 Project Manager
1 Quality Assurance

Team Composition

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Product Architecture

Frontend - Web App

Backend - Restful API Service

Analytics

Database

Document Pre Processing **Parser** **Vectorization**

Langchain FW **Open AI** **Query Handler** **Response Generater**

Open AI

Product Roadmap

Phases	Qtr 1	Qtr 2
Planning & Requirement Gathering	2 Months	
System Design & Architecture	1 Month	
Development & Integration		2 Months
Testing & Quality Assurance		1 Month

Business Impact

60%
reduction in time for resume screening

30%
lower cost per hire

20%
Higher quality candidate pipeline