



MacroHard career coach assistance

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Challenges:

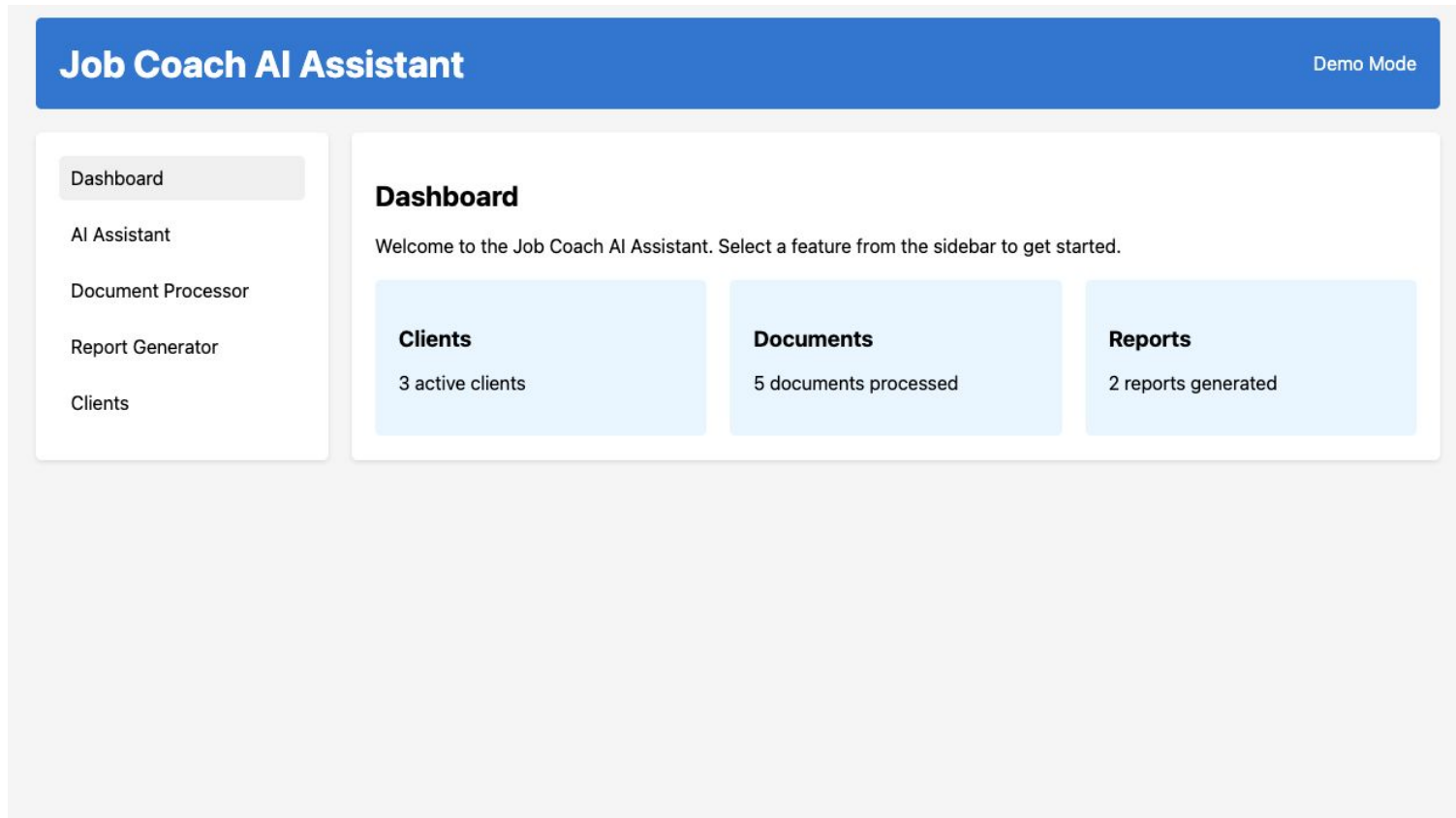
Complex documentation and support needs for job coaches

- Time-consuming paperwork processing
- Need for consistent and accurate guidance
- Multiple clients with diverse needs

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- a. Smart Document Processing
- b. AI Coaching Assistant
- c. Centralized Client Management
- d. Automation Report Generation

Home page



AI chatbot assistance

AI career agent helps customize task for career coach based on client's history data

Job Coach AI AssistantDemo Mode

Dashboard

AI Assistant

Document Processor

Report Generator

Clients

AI Assistant

Select a client: John Doe

Hello! I'm your Job Coach AI Assistant. How can I help you today?

help john make a schedule for next week.

Sure! To create an effective schedule for John, I need to know a few details:

1. What are John's main priorities or tasks for the week?
2. Does he have any fixed commitments (like work hours, classes, appointments)?
3. What are his preferred work hours or time blocks for tasks?
4. Does he want to include breaks or leisure activities?

Please provide this information, and I'll help him create a schedule!

Type your message here...

Send

Document processor

Currently supports parsing I-9 form, Schedule A letter, and job application

Job Coach AI Assistant

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Clients

Document Processor

Select a client: John Doe Document type: I-9 Form

Selected file: i-9.pdf

Process Document

Extracted Information

document_type: I-9 Form

extracted_text: Document processed with Azure Document Intelligence

fields_detected: 0

Recent Documents

Document Name	Client	Type	Processed Date
I-9 Form.pdf	John Doe	I-9 Form	2023-08-15
Schedule A Letter.pdf	Jane Smith	Schedule A	2023-08-10

Report Generator

Supports Government, Employer, Client reports

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Clients

Report Generator

Select a client: John Doe Report type: Government Report

Generate Report

Generated Report

Government Report

Client: John Doe

Date: 2025-03-21

Report generated using Azure OpenAI

Summary

John Doe is currently employed and demonstrates commendable performance in his role. He has a diagnosis of Autism, which presents unique challenges and strengths in the workplace. Throughout his employment, John has shown resilience and an ability to adapt to his work environment. His employer has provided necessary accommodations to support his success.

Activities

John participates in various job-related activities that align with his skills and interests. These include completing assigned tasks efficiently, collaborating with colleagues on projects, and attending team meetings. Additionally, he engages in regular feedback sessions with his supervisor to discuss his progress and any challenges he may face.

Goals

The primary goals for John include enhancing his communication skills within the workplace, further developing his professional skills related to his job, and increasing his independence in managing tasks. Long-term, John aims to take on more responsibilities and potentially advance within his organization.

Recommendations

It is recommended that John continue to receive support from his employer in the form of regular check-ins and feedback. Additionally, providing opportunities for professional development, such as workshops or training sessions focused on communication and teamwork, could greatly benefit John. Encouraging peer mentorship and fostering a supportive work environment will also contribute to his ongoing success.

Job Coach AI Assistant

Demo Mode

Dashboard

AI Assistant

Document Processor

Report Generator

Clients

Report Generator

Select a client: John Doe Report type: Employer Report

Generate Report

Generated Report

Employer Report

Client: John Doe

Date: 2025-03-21

Report generated using Azure OpenAI

Summary

John Doe is currently employed and demonstrates a strong ability to perform job tasks effectively, despite the challenges posed by autism. He has shown considerable progress in adapting to workplace environments and is well-regarded by colleagues and supervisors for his dedication and attention to detail.

Activities

John participates actively in team meetings and collaborates well with coworkers on projects. He has also engaged in various training sessions aimed at enhancing his communication skills and job-specific competencies. Additionally, he has been involved in social skills workshops to further improve his workplace interactions.

Goals

The primary goals for John include continuing to develop his interpersonal skills, increasing his confidence in expressing ideas during team discussions, and exploring opportunities for advancement within the organization. Long-term, we aim for him to take on more responsibilities that align with his strengths and interests.

Recommendations

It is recommended that John continues to receive support through mentoring and training programs focused on communication and professional development. Regular check-ins with a job coach can help track his progress and address any challenges he may face. Creating a structured feedback loop with his supervisor can also assist in fostering a supportive work environment that encourages John's growth.

Clients management page

One page summary on each client's status

Job Coach AI Assistant

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Clients

Clients

Name	Disability	Status	Actions
John Doe	Autism	Employed	View Details
Jane Smith	Hearing impairment	Job seeking	View Details
Bob Johnson	Physical disability	In training	View Details

Job Coach AI Assistant

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Clients

Client Details

Name:

John Doe

Disability:

Autism

Job Status:

Employed

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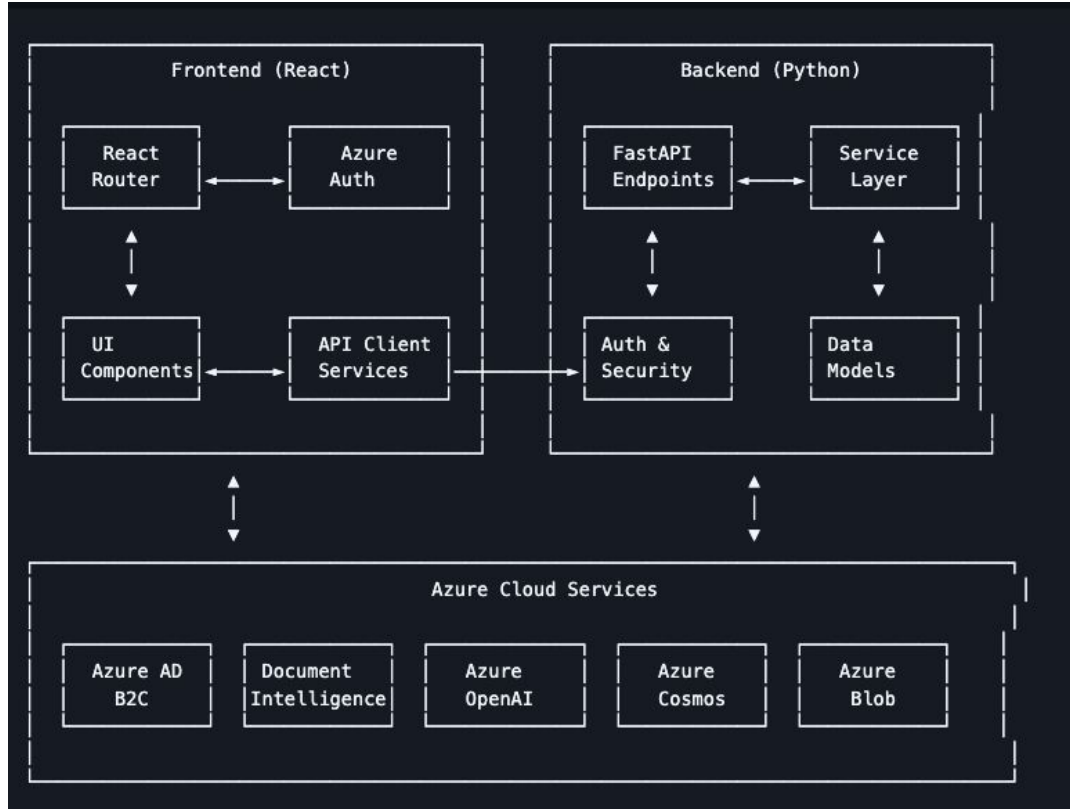
Future Roadmap

- **PDF form auto-fill:** Enhance document processing capabilities with automated PDF form filling for more types of government forms.
- **Analytics dashboard:** Provide insights and analytics to help job coaches make data-driven decisions.
- **Voice interface:** Enable voice commands for hands-free operation.
- **Mobile app:** Extend functionality to mobile devices for on-the-go access.

Technical Implementation - Architecture

- Three docker images are stored in the ACR(Azure Container Registry)
- Services are hosted on Azure VM
- Bash scripts for CI and github action for CD
- The application is exposed via HTTP on port 3001 and 80

System Architecture



Frontend

The frontend is built with React and uses the following key components:

Authentication (MSAL) - Microsoft Authentication Library for secure user authentication

UI Components (Fluent UI) - Microsoft's Fluent UI design system for consistent look and feel

Routing (React Router) - For navigation between different application sections

API Client - For communication with the backend services

Main features implemented in the frontend:

Document processing and upload interface

AI assistant chat interface

Report generation and viewing

Client management

Backend (Python FastAPI)

The backend is built with Python using FastAPI and provides the following services:

Document Service - Processes forms using Azure AI Document Intelligence

AI Service - Powers the AI assistant using Azure OpenAI

Storage Service - Manages document storage and retrieval

Report Service - Generates reports for different stakeholders

Azure Services

The application leverages several Azure services:

Azure Active Directory B2C - For user authentication and authorization

Azure AI Document Intelligence - For intelligent document processing

Azure OpenAI Service - For the AI assistant capabilities

Azure Cosmos DB - For storing document metadata and application data

Azure Blob Storage - For storing original document files

Azure Speech Services - For voice interface capabilities

Thank you for your time