

INTERNAL PRODUCT CASE STUDY

Candidate Intelligence & Resume Automation

Resume analysis, job-fit scoring and AI-assisted career-document workflows for candidates.

Simplify Job Search was developed as an AI-powered job application companion for candidates who need a faster, smarter, and more structured way to apply for jobs. The platform was designed for job seekers who often struggle with fragmented tools, weak resume- job alignment, resume rejection during screening, manual resume tailoring, and lack of clear application guidance.

Project classification: This internal Beyond Boundrys product module is part of the Simplify Job Search platform.



INDUSTRY HRTech & Career Services	CLIENT TYPE Internal product - Simplify Job Search	PROJECT STAGE Internal product
EVIDENCE Pilot-observed	DELIVERY SCOPE Resume scoring, gap analysis, generation and candidate workflows	

Clearer visibility into resume and job compatibility Candidates can review resume-to-job compatibility before deciding how to tailor an application.	Faster resume optimisation and gap review Resume analysis and gap review organise improvement areas into one workflow.	Role-specific resume and cover-letter generation Role-specific resume and cover-letter tools reduce repetitive document preparation.
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01 / BUSINESS CONTEXT

Who needed the solution

Simplify Job Search was developed as an AI-powered job application companion for candidates who need a faster, smarter, and more structured way to apply for jobs. The platform was designed for job seekers who often struggle with fragmented tools, weak resume- job alignment, resume rejection during screening, manual resume tailoring, and lack of clear application guidance. Instead of forcing candidates to use different tools for resume scoring, gap analysis, job-specific resume writing, cover letter creation, and job discovery, Simplify Job Search combines these workflows into one AI-driven candidate platform. The candidate-side system supports resume upload, candidate profile creation, job search, saved jobs, resume score checking, resume-job gap analysis, AI cover letter generation, job-specific resume generation, custom AI services, credit-based usage, resume preview, paid unlock flow, and AI usage tracking.

02 / CHALLENGE

What needed to change

The job application process is highly fragmented, repetitive, and inefficient for candidates.

Candidates used generic resumes across different roles

Candidates need different resumes for different job roles but usually maintain only one common resume.

Resume-job alignment was unclear before applying

Candidates do not know how well their resume matches a job before applying.

Gap analysis required manual interpretation

Resume-job gap analysis is usually manual and difficult for non-technical job seekers.

Cover-letter writing was repetitive

Cover letter creation is repetitive and time-consuming.

Candidates needed several disconnected career tools

The existing candidate journey created several problems.

03 / WORKFLOW TRANSFORMATION

Before and after

Previous workflow

- Candidates used generic resumes across different roles
- Resume-job alignment was unclear before applying
- Gap analysis required manual interpretation
- Cover-letter writing was repetitive
- Candidates needed several disconnected career tools

Structured workflow

- Ingest profile and documents
- Extract and analyse resumes
- Identify job-fit gaps
- Generate career documents
- Review structured outputs

04 / SOLUTION

How we approached it

Simplify Job Search was designed as a candidate intelligence platform where AI is used across the full application workflow. The solution combines resume parsing, job-description extraction, structured AI prompting, resume score generation, gap analysis, cover letter generation, resume rewriting, LaTeX PDF generation, credit management, caching, and payment-based unlock flows.

01

Ingest profile and documents

Capture candidate profile, resume and job-description context.

02

Extract and analyse resumes

Parse uploaded files and calculate structured resume insights.

03

Identify job-fit gaps

Compare candidate evidence with role requirements and explain missing areas.

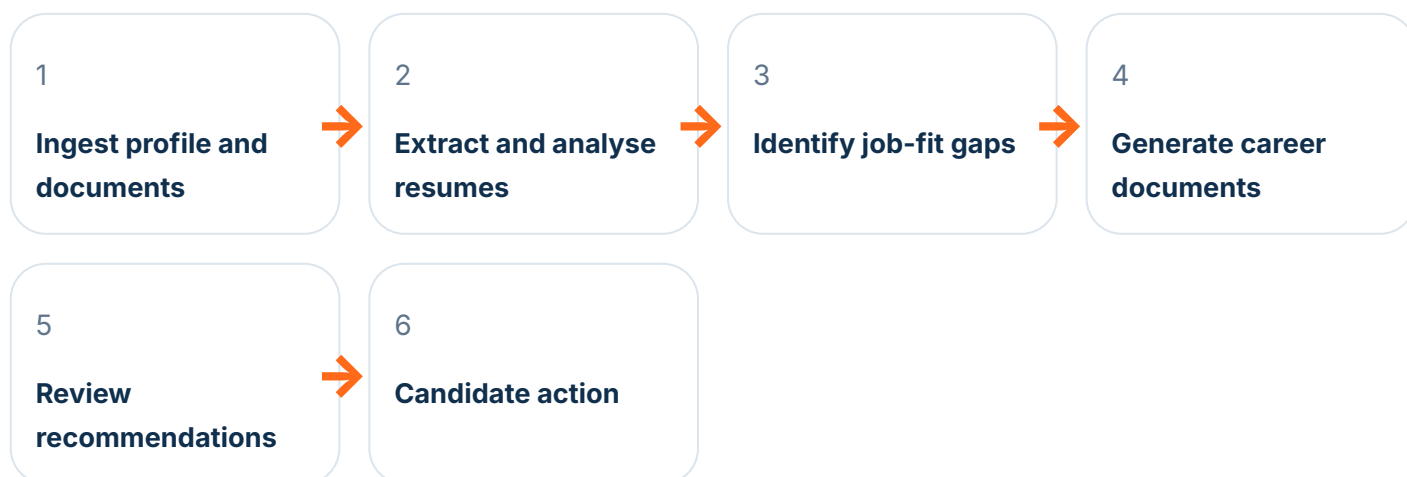
04

Generate career documents

Create improved resumes and role-specific cover letters through guided workflows.

05 / EXAMPLE WORKFLOW

From input to reviewable output



06 / DELIVERY SCOPE

What the delivery covered

Business and product workflow

- Candidate Profile and Resume Ingestion
- PDF and Image-Based Text Extraction
- Resume Score Analysis

AI, data and automation

- Google Gemini
- Azure OpenAI

Application and cloud engineering

- Angular
- Python
- Node.js
- DynamoDB
- AWS
- Docker
- Nginx

Scope boundary

The page covers implemented candidate tools. Resume compatibility guidance is not a guarantee of ATS, interview or hiring outcomes.

How the system is organised



User-controlled documents

Candidates provide the resume and job information used by scoring and generation workflows.

Explainable guidance

Scores, gaps and recommendations should show the factors considered rather than acting as guaranteed outcomes.

Human decision boundary

The tools support career preparation and do not guarantee ATS, interview or hiring success.

Secure account workflows

Authentication and cloud storage protect candidate records and generated documents.

Value observed during validation

- | | | |
|-------|--|----------------|
| 1 | Clearer visibility into resume and job compatibility
Candidates can review resume-to-job compatibility before deciding how to tailor an application. | Pilot-observed |
| <hr/> | | |
| 2 | Faster resume optimisation and gap review
Resume analysis and gap review organise improvement areas into one workflow. | Pilot-observed |
| <hr/> | | |
| 3 | Role-specific resume and cover-letter generation
Role-specific resume and cover-letter tools reduce repetitive document preparation. | Pilot-observed |
| <hr/> | | |
| 4 | Reduced repetitive career-document work
Multiple candidate tools are connected through one account and document journey. | Pilot-observed |
| <hr/> | | |
| 5 | One connected candidate intelligence journey
The platform provides explainable preparation support without guaranteeing hiring outcomes. | Pilot-observed |
| <hr/> | | |

Technology and component roles

GO

Google Gemini

Structured extraction, reasoning or generation

AZ

Azure OpenAI

Managed LLM inference and reasoning

AN

Angular

Web application interface

PY

Python

AI, data-processing and backend logic

NO

Node.js

Backend and integration services

DY

DynamoDB

Scalable application and workflow data

AW

AWS

Cloud infrastructure and managed services

DO

Docker

Containerised deployment

NG

Nginx

Reverse proxy and production serving

VE

Vertex AI

Managed Gemini and AI model integration

Explore related case studies

HRTECH & RECRUITMENT

AI Voice Screening Platform

Telephony-based candidate screening, response capture and interview-readiness automation.

HRTECH & MOBILE APPLICATIONS

Mobile Career Companion

A mobile-first career companion for job discovery, resume services, payments and candidate workflows.

HRTECH & RECRUITMENT OPERATIONS

Recruitment Automation Platform

AI-assisted job posting, candidate management, screening and recruiter operations.

Working on a similar challenge?

Discuss the workflow, data, integrations and evidence required for a practical first release.