Job Nexus

Project Vision Document

Version 1.0

13 February 2025

Release Checklist

***[Review the document for each checklist item and mark it as YES or NO.]***

|  |  |
| --- | --- |
| **Checklist Item** | **Control (Yes/No)** |
| The document has passed the quality assurance process. | YES/NO |
| The document is visually appealing and has a professional look and structure. | YES/NO |
| All placeholders such as text within <> are replaced with appropriate text. | YES/NO |
| The document is prepared in the “Justify Text” format. | YES/NO |
| The document does not include typos, different fonts, and misalignments. | YES/NO |
| In the revision history, the first version states “The first version”. Additional versions include an entry highlighting all the changes from the previous version. | YES/NO |
| The table of contents (TOC) is updated as necessary. | YES/NO |
| References list other project documents and additional standards or documents needed to understand the document. The references include the necessary document/artifact version number and publication date. | YES/NO |
| The language grammar is used appropriately. | YES/NO |
| Sentences are written as full sentences. | YES/NO |
| The wording in the document is formal. | YES/NO |
| The wording in the document is clear. | YES/NO |
| The wording in the document is professional. | YES/NO |
| All project-related definitions, acronyms, and abbreviations sections are included in the related tables. | YES/NO |
| The team member names are specifically spelled out in the document preparation and approvals sections. | YES/NO |
| The purpose and scope of the document are adequately described. | YES/NO |
| All sections include the necessary and adequate information. | YES/NO |
| All stakeholders and users are identified as related to the product. | YES/NO |
| The user environment is adequately analyzed and described. | YES/NO |
| The product alternatives and competitive products are adequately analyzed. | YES/NO |
| The “Precedence and Priority” section includes the list of features in a priority order. | YES/NO |

|  |  |
| --- | --- |
| **Final Control** | **Yes/No** |
| The document is checked based on the “Team Project Artifacts Common Errors” Guideline. The document is ready for release. | YES/NO |
| The document is not ready for release. | YES/NO |

Document Preparation

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Role** | **Approval (Signature)** | **Approval Date** |
| Ali Sheriff | Project Requirements Manager | <Signature> | 02/13/2025 |
|  |  |  |  |
|  |  |  |  |

Document Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Role** | **Approval (Signature)** | **Approval Date** |
| Pranav Pratheek Malleboyina | Project Design Manager | <Signature> | 02/13/2025 |
| Pranav Pratheek Malleboyina | Project Configuration Manager |  |  |
| Sumana Sree | Project Test Manager |  |  |
| Bhavani Sathi | Project Risk Manager |  |  |
| Ali Sheriff | Project Technical Manager |  |  |
| Ali Sheriff | Project Manager> |  |  |
| - | <Project Sponsor> |  |  |

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 02/13/2025 | 1.0 | Initial Draft | <name> |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table of Contents

1. Introduction 6

1.1 Purpose of the Document 6

1.2 Scope of the Document 6

1.3 References 6

1.4 Definitions, Acronyms, and Abbreviations 6

2. Positioning 6

2.1 Business Opportunity 6

2.2 Problem Statement 6

2.3 Product Position Statement 6

3. Stakeholder and User Descriptions 7

3.1 Stakeholder Summary 7

3.2 User Summary 7

3.3 User Environment 8

3.4 Summary of Key Stakeholder or User Needs 8

3.5 Alternatives and Competition 8

4. Product Overview 8

4.1 Product Perspective 8

4.2 Assumptions and Dependencies 8

4.3 Cost and Pricing 9

4.4 Licensing and Installation 9

5. Product Features 9

5.1 Feature 1 – Short Name 9

5.2 Feature 2 – Short Name 9

5.3 Feature 3 – Short Name 9

6. Constraints 9

7. Quality Ranges 9

8. Precedence and Priority 10

**Project Vision Document**

# Introduction

## Purpose of the Document

The purpose of this document is to collect, analyze, and define high-level needs and features of the Job Nexus Application. It focuses on the capabilities needed by the job recruiters and the target users(job seekers), and **why** these needs exist. The details of how the Job Nexus fulfills these needs are detailed in the use-case and supplementary specifications.

## Scope of the Document

This document includes the course team project goals, the project goals, the project team, the advised project development approach, the necessary software tools, the deliverables, the project assessment criteria, the related references, and the grading rubric.

## References

|  |  |  |
| --- | --- | --- |
| **Reference Title/Name** | **Date** | **Version** |
| Course Syllabus | 08/01/2024 | 1.0 |
| Team Project Proposal Template | 01/15/2023 | 1.0 |
| Team Project Evaluation Template | 01/15/2023 | 1.0 |
| Project Vision Document (PVD) Template | 01/15/2023 | 1.0 |
| Project Plan (PP) Template | 01/15/2023 | 1.0 |
| Software Requirements Specification (SRS) Template | 01/15/2023 | 1.0 |
| Software Design Description (SDD) Template | 01/15/2023 | 1.0 |
| Software Test Description (STD) Template | 01/15/2023 | 1.0 |

## Definitions, Acronyms, and Abbreviations

|  |  |  |
| --- | --- | --- |
| **Term** | **Abbreviation / Acronym** | **Definition** |
| Project Vision Document | PVD | PVD is the document that describes the vision for the project. The vision document also outlines the scope for the project. |
| Project Plan | PP | PP is the document that describes the plan for the successful completion of the project. |
| Software Requirements Specification | SRS | SRS is the document that describes the requirements for the project. |
| Software Design Description | SDD | SDD is the document that describes the design for the project. |

# Positioning

## Business Opportunity

The difficulties faced by both job seekers and job recruiters during the hiring process. For recruiters, it is about filtering candidates according to the skill set and VISA class. For the seekers, it is about finding the correct job to apply and how to reach out to particular recruiters and job postings.

## Problem Statement

|  |  |
| --- | --- |
| The problem of | Gaps in reaching out |
| Affects | Efficiency of hiring and getting hired |
| the impact of which is | The industry due to gap in the demand of good employees |
| a successful solution would be | To make sure that the gap is narrowed down as far as possible. |

## Product Position Statement

|  |  |
| --- | --- |
| For | The Job recruiters |
| Who | Job seekers and job recruiters who are trying to reach out to each other |
| The (product name) | is a job searching application |
| That | [statement of key benefit; that is, the compelling reason to buy] |
| Unlike | LinkedIn and Rippling |
| Our product | Works both ways for seekers and recruiters |

# Stakeholder and User Descriptions

[To effectively provide products and services that meet your stakeholders’ and users' real needs it is necessary to identify and involve all of the stakeholders as part of the Requirements Modeling process. You must also identify the users of the system and ensure that the stakeholder community adequately represents them. This section provides a profile of the stakeholders and users involved in the project, and the key problems that they perceive to be addressed by the proposed solution. It does not describe their specific requests or requirements as these are captured in a separate stakeholder requests artifact. Instead, it provides the background and justification for why the requirements are needed.]

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Job Recruiter | The person who employs eligible candidates | The primary responsibilities of the Job recruiter is to filter out potential candidates according to the skillset and VISA class. After that, scheduling an interview for the potential candidate. |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Job Seeker | The Individual Looking for job opportunities | Applies for jobs, uploads resumes/CVs, tracks application statuses and receives job market insights | Job Recruiter |

## User Environment

The System will be used by both individual job seekers and recruiters in a digital environment.

The number of users fluctuates based on hiring trends and job market conditions.

The recruitment process can range from a few days to weeks, depending on company hiring cycles.

Users can access via PC or Mobile.

Integration with existing job posting apps and ATS system maybe required but for job postings would connect with the host company directly for ease of use.

## Summary of Key Stakeholder or User Needs

Problems with existing solutions:

Manual Job filtering is time-consuming for recruiters and tiresome for job seekers.

Lack of Automated resume optimization and feedback for job seekers.

NO CLEAR JOB TRACKING system

Existing solutions are not very efficient with AI powered job matching

Proposed Solutions:

AI-powered and ATS backed resume screening to streamline recruiter workflow.

Smart job recommendations according to seeker’s profile

Smart candidate selection according to job description for recruiter’s profile.

Personalized job simulation which the recruiter can build and the seeker can get familiar with the company.

## Alternatives and Competition

Competitor Products:

Linkedin Jobs: Strong Networking but lacks AI-powered automation.

Indeed – Broad Job listings but lacks efficiency in user experience.

ZipRecruiter – Offers Job matching but does not integrate AI analytics.

Glassdoor - No proper matching and customization

WonsultingAI – Great for networking, cold emailing, AI powered resume editors and ATS friendly, but lacks job simulations and trust about job listings.

# Product Overview

## Product Perspective

Job Nexus is an independent, AI-driven recruitment system that bridges the gap between recruiters and job seekers, integrates with job boards and recruiters can directly list their job in the platform to infuse with the AI simulator generation. It provides a smart matching algorithm which works mutually exclusive with the applicant and host to enhanced hiring experiences.

## Assumptions and Dependencies

* + Internet connectivity is required for real-time updates.
  + AI models require periodic updates based on hiring trends.
  + Multi-platform accessibility is necessary for a seamless user experience.
  + Security measures like two-factor authentication are crucial for user data protection.

## Cost and Pricing

Freemium Models for job seekers and Subscription based pricing for recruiters.

AI-powered premium features for resumes analytics and job tracking.

## Licensing and Installation

* + Web based SaaS platform with optional mobile apps.
  + Subscription-based licensing for recruiters.
  + Secure authentication and document storage included.

# Product Features

## Feature 1 – Job Posting & Management(Recruiters)

Post jobs, check responses, and manage applications.

Close job postings when required.

## Feature 2 – AI powered Resume Filtering (Recruiters)

ATS-based filtering for candidate ranking.

Custom filtering based on recruiter preferences.

## Feature 3 – Job Simulation

Simulates according to the input job description

Generate Flash cards and quizzes for required skills

## Feature 4 – Hiring Analytics

Track job application status and hiring trends.

Generate reports on candidate engagement and application trends.

# Constraints

## Data Security & Privacy regulations must be adhered to.

## AI models require continuous training and improvement.

## Integration with third-party platforms (e.g., LinkedIn, Indeed) any require APT access.

# Quality Ranges

* + Performance: Job applications and tracking should work in real time.
  + Usability: The platform must be user-friendly, supporting web and mobile access.
  + Reliability: Ensure high uptime and scalability for heavy recruiter usage.
  + Security: Implement data encryption, authentication, and compliance with regulations of software protocols.

# Precedence and Priority

|  |  |  |
| --- | --- | --- |
| **Feature** | **Priority (High/Medium/Low)** | **Priority Reasoning** |
| Job Application Tracker | High | This feature has the highest priority since application tracking is what is lacking in most websites. |
| Job Simulator | High | This feature has a high priority since it gives a more in-depth view about the job and tells a lot about the company. |
| Companies Job list | High | This feature has a high priority since we need to have access to latest job openings. |
| Recruiter Panel | Medium | This feature has a medium priority since it can be done for future use-case and infrastructure we need to test the smart matching algorithm and can build the UI later. |
| User registration | Low | This feature has a low priority since it is not required for initial algorithm testing. |
| Job History | Medium | This feature has a medium priority since it is basically storing information about jobs you applied it is helpful for job tracker. |