

Release Plan

Release Plan Overview

The purpose of this release plan is to define the deployment and rollout process of the application in structured phases—ensuring stability, usability, and performance at each stage. This plan also outlines the critical tasks to be completed before deployment and provides a fallback approach in case of unforeseen issues.

Release Phases

1. Alpha Phase – Internal Testing

- Objective: Validate core functionality and system stability within a controlled internal environment.
- Participants: Internal development and QA teams.
- Focus Areas:
 - Verify that backend components (API, database, authentication) are properly integrated.
 - Conduct unit tests, integration tests, and initial performance audits.
 - Identify and fix early-stage bugs or bottlenecks before external exposure.
 - Collect internal feedback on usability and interface consistency.

2. Beta Phase – HR Pilot Users

- Objective: Test the application in real-world conditions with a limited group of HR users.
- Participants: Selected HR professionals or organizational pilot groups.
- Focus Areas:
 - Validate the accuracy of key features such as OCR parsing and NLP-based resume insights.
 - Assess usability, clarity of navigation, and feature intuitiveness from an end-user perspective.
 - Collect structured feedback through surveys or feedback dashboards.

- Monitor application performance metrics (load time, error rates, data sync reliability).
- Apply necessary refinements before the full public release.

3. Version 1.0 – Public MVP

- Objective: Launch a stable, minimum viable product accessible to all intended users.
- Participants: General public, open users, or targeted enterprise clients.
- Focus Areas:
 - Ensure platform stability for simultaneous users.
 - Verify end-to-end workflows (from user sign-up to analytics reporting).
 - Introduce basic support documentation, FAQs, or walkthroughs.
 - Begin collecting metrics for continuous improvement and feature prioritization.
 - Ensure compliance with privacy policies and data protection standards before scaling.

Deployment Checklist

Before proceeding with any release phase, the following critical tasks must be completed:

- API Tested and Documented:
The API endpoints must pass functional and stress tests. All responses, error codes, and authentication details should be fully documented for backend maintainability and frontend integration.
- UI Responsive and Styled:
The front-end interface must be responsive across devices (desktop, tablet, mobile). Apply consistent styling—colors, typography, button design—to ensure cohesive branding and modern UX.
- OCR Validated:
OCR (Optical Character Recognition) accuracy should be tested across multiple formats (PDFs, DOCX, images). The system must reliably extract text and handle edge cases such as blurry scans or unusual fonts.
- NLP Model Optimized:
The NLP model powering text understanding must be fine-tuned for speed and

accuracy. It should handle diverse resume formats and phrasing while minimizing false predictions.

Rollback Strategy

In case a deployment introduces critical bugs, performance degradation, or data inconsistency, the following rollback plan ensures smooth recovery:

- **Revert to Last Stable Build:**
Maintain versioned builds in the deployment pipeline. If a release fails quality checks post-deployment, revert immediately to the last verified stable version.
- **Maintain Backup of User Data:**
Prior to deployment, take a full backup of the production database and user files. Ensure recovery scripts can restore the application state without data loss or corruption.
Use automated snapshots in the cloud (e.g., AWS RDS/Azure Backup) for quicker restoration.