**Risk Management Matrix (RMM) for Resume**

**Parser Project**

algorithms.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Risk**  **ID** | **Risk**  **Description** | **Probability** | **Impact** | **Risk**  **Score** | **Mitigation**  **Strategy** | **Responsibilty** |
| R1 | Integration with AI services might be complex and  time-consuming. | High | High | 9 | - Research AI service providers thoroughly.  - Allocate sufficient time and resources.  - Have backup  AI services. | Project Manager, Development Team |
| R2 |  | Medium | High | 6 | - Optimize |  |
| Performance | algorithms. |  |
| issues with | - Conduct |  |
| resume parsing | regular | Development |
| and matching | performance | Team, QA |
|  | testing. |  |
|  | - Use caching techniques. |  |
| R3 |  | High | High | 9 | - Implement |  |
|  | encryption |  |
|  | and secure |  |
| Security | APIs. |  |
| vulnerabilities | - Conduct | Security |
| in handling | security | Development |
| sensitive user | audits and | Team |
| data. | penetration |  |
|  | testing. |  |
|  | - Comply with  GDPR. |  |
| R4 | Changes in AI technology may require updates to parsing algorithms. | Medium | Medium | 4 | - Monitor AI | Development Team, Pro Manager |
| technology trends.  - Design modular system for  easy updates.  - Allocate resources for updates. |
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| R5 | Delays in | Medium | Medium | 4 | - Create | Project |
| development due | detailed | Manager, |
|  | project plan |  |

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|  | to technical challenges. |  |  |  | with milestones.  - Monitor progress regularly.  - Have contingency plans. | Development  Team |
| R6 | Delays in testing and debugging. | Medium | Medium | 4 | - Allocate sufficient testing time.  - Use automated testing tools.  - Involve QA  early. | QA Team, Development Team |
| R7 |  | Low | High | 3 | - Set up |  |
|  | staging |  |
| Delays in | environment. |  |
| deployment due | - Test | Operation |
| to | thoroughly | Team, |
| infrastructure | before | Development |
|  | deployment. | Team |
|  | - Have |  |
|  | rollback |  |
|  | plan. |  |
| R8 |  | Low | Medium | 2 | - Negotiate |  |
|  | contracts |  |
|  | with |  |
| Higher than | providers. | Project |
| expected costs | - Monitor | Manager, |
| for AI service | usage and | Finance T |
| subscriptions. | costs. |  |
|  | - Explore |  |
|  | open-source |  |
|  | alternatives. |  |
| R9 |  | Medium | High | 6 | - Validate |  |
|  | algorithms |  |
|  | with diverse |  |
| Inaccurate | resumes. |  |
| resume parsing | - Implement | Development |
| leading to poor | user feedback | Team, QA |
| user | mechanisms. |  |
| experience. | - Update |  |
|  | parsing |  |
|  | models |  |
|  | regularly. |  |
| R10 | Low match | Medium | High | 6 | - Improve | Development |

issues.

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|  | scoring |  |  |  | match scoring | Team, QA |
|  | accuracy |  |  |  | with machine |
|  | affecting |  |  |  | learning. |
|  | recruiter |  |  |  | - Gather |
|  | satisfaction. |  |  |  | recruiter |
|  |  |  |  |  | feedback. |
|  |  |  |  |  | - Explain |
|  |  |  |  |  | match score |
|  |  |  |  |  | calculations. |