

AI-POWERED CANDIDATE EVALUATION SYSTEM

Candidate Information

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Repository Link

<https://github.com/ikoraga/api-cv-evaluation.git>

Approach & Design

The system evaluates candidates' CVs and project reports asynchronously using an LLM-based evaluation pipeline. RabbitMQ is used for job queuing, Prisma ORM for database management, and OpenAI-compatible LLM for structured feedback generation.

System Design Overview

The architecture follows a clean modular approach: - Express API handles upload and job queueing - Worker consumes messages and calls the LLM - Database tracks job status and stores results - Safe JSON parsing ensures valid AI outputs

Example of Final Evaluation Result

Field	Example Value
cv_match_rate	0.82
cv_feedback	Strong in backend and cloud, limited AI integration experience
project_score	4.5
project_feedback	Meets prompt chaining requirements, lacks error handling robustness
overall_summary	Good candidate fit, would benefit from deeper RAG knowledge

Conclusion

The AI-Powered Candidate Evaluation System successfully automates candidate document assessment. It maintains fault tolerance, valid JSON outputs, and structured evaluation logic that meets the provided case study instructions.