

Upwork Job Automation

Executive Summary

An automated workflow system designed to fetch, analyze, score, and notify relevant Upwork job opportunities. The system executes every 8 hours, processing jobs through a multi-stage pipeline with built-in error handling and Slack notifications.

Workflow: Apify Job Fetch → Experience Filter → AI Scoring Agent → Airtable Storage → Priority Filter → Email Notification → Error Handling (Slack)

Issues Identified and Resolved

Issue 1: Data Pairing Error in Airtable Node

Problem: The Airtable node threw "paired item data unavailable" errors when attempting to reference data from the Filter Experience node. The expression `$('Filter Experience').item.json.X` failed because n8n could not determine which item to use when multiple items were present.

Solution: Modified all Airtable field mappings to use `$json.X` instead of `$('Filter Experience').item.json.X`, allowing proper iteration through each item in the data stream.

Issue 2: Mobile Email Rendering

Problem: Email notifications displayed poorly on mobile devices with layout overflow, unreadable text sizes, and broken responsive elements.

Solution: Implemented mobile-first responsive HTML email template with viewport meta tags, flexible box layouts, minimum 14px font sizes, single-column design, and proper word-wrapping for URLs.

Issue 3: Inconsistent AI Scoring

Problem: Initial system prompts produced inflated scores with vague, generic reasoning that did not effectively differentiate between job opportunities.

Solution: Refined the AI system prompt with explicit scoring criteria, concrete examples, red flag detection rules, and instructions to provide honest, realistic evaluations prioritizing quick wins and portfolio-building opportunities.

Sample Scored Jobs Analysis

1. n8n Automation Expert – Content & Carousel System

Score: 9/10 — *Priority:* High — *Level:* Intermediate

Reasoning: Perfect fit for Morgan's expertise with explicit n8n and content automation requirements. Manageable scope (24-48 hours) for quick win with strong testimonial potential. Client shows professionalism through structured application process.

2. Help me build a N8N flow

Score: 9/10 — *Priority:* High — *Level:* Expert

Description: PDF webhook input → Claude AI data extraction → JSON structuring → Webhook delivery

Reasoning: Excellent fit explicitly mentioning n8n, webhooks, AI (Claude), and data structuring. Clear, actionable scope perfect for quick wins and portfolio building.

3. n8n Automation Engineer – AI Dental Receptionist (Voice + PDF Quoting)

Score: 10/10 — *Priority:* High — *Level:* Expert

Reasoning: Exceptional fit calling for n8n, Vapi, and Twilio integration to build sophisticated AI voice agent with PDF generation. Clear scope aligns perfectly with Morgan's niche expertise. Client's detailed requirements indicate professionalism and clear understanding of the task.

4. AI-Powered Web Application Development with Automation

Score: 7/10 — *Priority:* Medium — *Level:* Intermediate

Reasoning: Good n8n/AI match but requires full-stack work (React/Vue) beyond core automation focus. Extensive scope likely makes it longer than quick win target (24-48 hours).

5. n8n Automation Engineer – Long-term Real Systems

Score: 6/10 — *Priority:* Medium — *Level:* Expert

Reasoning: Relevant n8n automation work but long-term commitment structure does not align with current quick wins strategy focused on rapid portfolio building.

Recommended Future Enhancements

- Implement client sentiment analysis based on previous job reviews and ratings
- Add budget vs. scope feasibility scoring to detect underpriced projects
- Develop automatic proposal drafting system for 9-10/10 scored jobs
- Create historical win rate tracking segmented by job type and client characteristics
- Build competitor analysis module to assess application competition levels