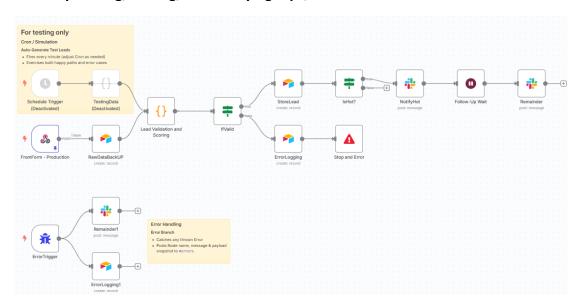
# Lead Scoring & Notification Bot (n8n)

This automation makes sure your sales team never misses a high-value lead—by instantly scoring, storing, and notifying reps, all with built-in fail-safes.



# What It Does Best

### • Accepts Real or Simulated Leads:

Handles live form submissions via webhook (/lead-submit) or auto-generates test leads to stress-test every logic branch.

### • Scores with Precision:

Calculates a 0-100 score using:

- Budget (up to 40 pts)
- Interest Level (up to 30 pts)
- Company Size (up to 20 pts)
- Bonus: +5 pts if the email domain is not a consumer domain (gmail.com, yahoo.com, etc.), +5 pts if a phone number is provided

### Categorises automatically:

- o Hot (≥ 70) → Instant Slack DM to rep + follow-up ping after 2 mins
- Warm (50–69) → Logged and visible for later
- $\circ$  Cold (< 50) → Archived, but not lost

### Stores Everything Reliably:

- o Raw JSON archived immediately in Airtable
- Scored leads upserted cleanly with deduplication and timestamps

### Robustness & Error Handling

### • Failsafe Input Guardrails:

Validates key fields: full\_name, email, budget, interest\_level 
→ If anything's off, it gracefully exits with a clear error object.

#### Dual-Level Backup:

- Raw data goes to Airtable before processing
- o Scored lead goes to a second base with breakdown + metadata

### Smart Error Triage:

- Logs every error in Airtable with node name, message, and full payload
- Posts real-time alerts to #errors Slack channel so issues don't go unnoticed

#### Self-Healing Behavior:

Nodes retry failed executions, parse types carefully, and fallback between test vs. production sources automatically.

Even malformed inputs won't break the workflow.

#### • Auto-Termination:

5-minute timeout prevents runaways or infinite loops.

### **Extras**

## Simulated Testing System

- A cron-triggered node that auto-generates 8 test variants (including error edge cases).
- Toggling between test and production with clear instructions.

# Raw Payload Archival

 Immediate backup of every incoming payload before processing, stored in Airtable.

### ○ Multi-Layer Validation

• Checks for required fields and gracefully returns structured error objects.

Differentiates between validation errors and runtime exceptions.

### Detailed Scoring Breakdown

 Each score component (budget, interest, size, bonuses) is stored as a breakdown for transparency and debugging.

## Slack Follow-Up Reminder

 A timed reminder message sent 2 minutes after a Hot lead alert to ensure the sales rep doesn't forget.

### **★ Full Error Handling Stack**

- Global ErrorTrigger to catch runtime issues.
- Logs error messages, node names, and raw data into Airtable.
- Sends real-time Slack alerts with pretty-printed JSON payloads.

# Idempotent Data Storage

 Airtable "upsert" logic keyed on email to avoid duplicate entries when rerunning the workflow.

### Timeout Control

 Workflow auto-terminates after 5 minutes to avoid loops or zombie executions.

# Sticky Notes for Node-Level Documentation

 Embedded visual notes in the n8n canvas explaining each cluster of logic aka the "instruction manual for adults."

# Retry Logic

 Configured retries on Slack/Airtable/API nodes for transient failures (because life is unreliable, like Wi-Fi).

# **Extendability Suggestions**

 Ideas for enrichment via external APIs (Clearbit, LinkedIn), nurture flows, and reporting extensions.

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	Timestamp		≅ full_name	≅ Email	& Phone	≅ company_size	# budget	A Lead Category	A Interest Level	# Lead Sc
.7	7/3/2025	17:00	Bad Budget	badbudget@example.com	+1234567890	large	0.0	Warm	High	60.0
	7/3/2025	17:32	Bob Test	bob@example.com	+1234567890	medium	1,500.0	Warm	Medium	55.0
	7/3/2025	17:32	Alice Test	alice@example.com	+1234567890	small	500.0	Cold	Low	35.0
	7/3/2025	17:32	Dave Test	dave@example.com	+1234567890	enterprise	12,000.0	Hot	High	100.0
	7/3/2025	17:38	Dave Test	dave@example.com	+1234567890	enterprise	12,000.0	Hot	High	100.0
	7/3/2025	17:38	Bob Test	bob@example.com	+1234567890	medium	1,500.0	Warm	Medium	55.0
	7/3/2025	17:38	Alice Test	alice@example.com	+1234567890	small	500.0	Cold	Low	35.0
	7/3/2025	17:38	Dave Test	dave@example.com	+1234567890	enterprise	12,000.0	Hot	High	100.0
	7/3/2025	17:38	Bad Budget	badbudget@example.com	+1234567890	large	0.0	Warm	High	60.0
	7/3/2025	17:52	Carol Test	carol@example.com	+1234567890	large	6,000.0	Hot	High	80.0
	7/3/2025	17:52	Bob Test	bob@example.com	+1234567890	medium	1,500.0	Warm	Medium	55.0
	7/3/2025	17:52	Dave Test	dave@example.com	+1234567890	enterprise	12,000.0	Hot	High	100.0
	7/3/2025	17:52	Carol Test	carol@example.com	+1234567890	large	6,000.0	Hot	High	80.0

Figure 1. Aritable database with test data

Timestamp	≜ RawData
7/3/2025 16:16	{"full_name":"Error Test","email":"error@test.com","phone":"000","company_size":100,"budget":500,"interest_level":"Low"}
7/3/2025 16:17	{"full_name":"Error Test","email":"error@test.com","phone":"000","company_size":100,"budget":500,"interest_level":"Low"}
7/3/2025 16:23	$ \label{lem:company} \endaligned \begin{tabular}{ll} \parbox{0.5cm} 0.5$
7/3/2025 16:28	{"full_name":"John Smith","email":"john.smith@techcorp.com","phone":"+44 7123 456789","company_size":"large","budget":12000,"interest_level":"high"}
7/3/2025 16:42	{"full_name":"John Smith","email":"john.smith@techcorp.com","phone":"+44 7123 456789","company_size":"large","budget":12000,"interest_level":"high"}
7/3/2025 16:42	{"full_name";"John Smith","email":"john.smith@techcorp.com","phone";"+44 7123 456789","company_size";"large","budget":12000,"interest_level":"high"}

Figure 2. Airtable database with Raw Data backUp

<b>≡</b> Timestamp	Œ Error Log		
2025-07-03T10:23:49.703-04:00	leadData.company_size?.toLowerCase is not a function [line 38]		
2025-07-03T10:36:52.306-04:00	Referenced node is unexecuted [line 5]		
2025-07-03T10:37:31.748-04:00	Referenced node is unexecuted [line 5]		
2025-07-03T10:39:16.242-04:00	Referenced node is unexecuted [line 5]		
2025-07-03T10:39:19.228-04:00	Referenced node is unexecuted [line 5]		
2025-07-03T10:42:24.783-04:00	Cannot read properties of undefined (reading 'length') [line 12]		
2025-07-03T11:00:01.299-04:00	leadData.company_size?.toLowerCase is not a function [line 46]		

Figure 3. Airtable database for Error Logging

New Hot Lead: dave@example.com Budget £12000, Interest: High, Score: 100, Check Airtable for details: https://airtable.com/appbV9Cc0YEHWTDZ6/tbl5io0iWhMNpUQPp/viw18m4t3qGUbsWIC?blocks=hide Automated with this n8n workflow

Follow-up: Checking in with () after initial inquiry.

Record: https://airtable.com/appbV9Cc0YEHWTDZ6/tbl5io0iWhMNpUQPp/viw18m4t3qGUbsWIC?blocks=hide Automated with this n8n workflow

Figure 4. Slack Notification and Remainder

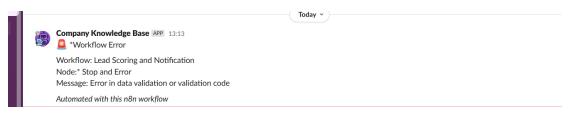


Figure 5. Slack Error Notification



## **REM WASTE.COM**

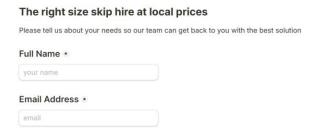


Figure 6. Tally Lead Form link: <u>REM WASTE.COM</u>