AI Automation / Zapier Workflows

Design fallback paths and error notifications for Zaps that fail mid-execution — stops silent failures.
Difficulty: Advanced
Model: GPT-4 / Claude / Gemini
Use Case: Reliable Automation, Error Monitoring, Data Integrity
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Why This Prompt Exists
Zaps fail. Apps have outages, rate limits, schema changes, and network errors. Without error handling, failures happen silently — and you don’t know until a customer complains.

You get:

- Zaps that fail silently (no one knows data wasn’t processed)
- customers waiting for actions that never happen (confirmation emails, invoices)
- manual recovery from Zap failures (re-running records one by one)
- no visibility into which Zaps fail most often
- lost data from failed actions with no retry

But error handling can be designed:

- retry: try the same action again (for rate limits, timeouts)
- skip: log the failure and continue (for non-critical actions)
- fallback: take different action if primary fails (e.g., send email instead of Slack)
- notify: send alert to team (Slack, email) when failure occurs
- dead letter queue: save failed records to Google Sheets for manual processing

Without error handling, silent failures erode trust.

This prompt designs comprehensive error handling for any Zap.

The Prompt

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Assume the role of a Zapier reliability engineer who designs error
handling.

Your task is to create an error handling plan for a Zap.

Generate:

1. ZAP ACTIONS INVENTORY
   - List each action in the Zap
   - Criticality per action: [Critical / Important / Nice-to-have]

2. PREDICTED FAILURE MODES (per action)

| Action | Failure Type | Likelihood | Impact |
|--------|--------------|------------|--------|
| [name] | [rate limit / auth / field missing / timeout] |
High/Med/Low | High/Med/Low |

3. ERROR HANDLING STRATEGY (per action)

| Action | On Failure | Retry Count | Fallback | Notify? |
|--------|------------|-------------|----------|---------|
| [name] | [Retry/Skip/Fallback] | [N] | [alternative action] | Yes/No
|
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4. NOTIFICATION RULES
   - Who to notify (Slack channel, email address)
   - What information to include (failed record ID, error message, timestamp)
   - When to notify (every failure / after N failures / only critical failures)

5. DEAD LETTER QUEUE DESIGN
   - Where to save failed records (Google Sheet, database, file)
   - What fields to capture (original data, error message, timestamp, retry count)
   - Manual recovery process (who reviews, how often)

6. MONITORING RECOMMENDATIONS
   - What to track (failure rate by action, most common errors)
   - Alert thresholds (e.g., "Notify if failure rate > 5% in last hour")

7. COMPLETE ERROR HANDLING BLUEPRINT
   - Ready-to-implement error handling design

INPUTS:

Zap description (or existing Zap steps):
[PASTE THE ZAP ACTIONS]

Criticality of this Zap:
[MISSION-CRITICAL / IMPORTANT / HELPFUL]

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Known failure history (if any):
[E.G., "QuickBooks often rate limits us"]

Team on-call for errors:
[E.G., "Slack #zap-alerts"]

RULES:
- Critical actions (invoices, customer data) need retry + notification
+ dead letter queue
- Non-critical actions (Slack notifications) can skip on failure (log
and continue)
- Always include at least one notification path (or you won't know
about failures)
- Dead letter queue is essential for mission-critical Zaps (no data
loss)
- Test error handling by artificially triggering failures (invalid API
key, missing field)
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How To Use It

- Add error handling to every mission-critical Zap (invoices, customer data, payments).
- Set up a dead letter queue (Google Sheet) for failed records — you can manually recover.
- Notify your team on failure — silent failures are the most dangerous.
- Test your error handling by intentionally causing failures (e.g., wrong API key).
- Monitor failure rates — frequent failures indicate deeper problems (rate limits, auth issues).

Example Input

Zap description:

“Google Form → QuickBooks (create invoice) → Gmail (send confirmation) → Slack (notify sales)”

Criticality of this Zap:
“MISSION-CRITICAL — invoices must be created”

Known failure history:
“QuickBooks API sometimes rate limits during end-of-month”

Team on-call for errors:
“Slack #finance-alerts”

Why It Works
Most Zapier users assume Zaps will always work — they won’t. Without error handling, failures go unnoticed until someone complains.

This framework improves outcomes by forcing:

- failure mode prediction (what could go wrong?)
- per-action handling strategy (retry, skip, fallback)
- notification rules (who knows when it fails?)
- dead letter queue design (no data loss)
- monitoring recommendations (track failure rates)

Great error handling doesn’t prevent all failures — it ensures you know about them and can recover.

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