**AI Data Extraction w/ Dynamic Prompts and Baserow**

What does this do?

* **Event-Driven Trigger:**  
  The workflow kicks off when an Airtable event occurs—such as a row update or a new field creation. It uses a switch node to route the event based on its type (e.g., "row.updated", "field.created", or "field.updated").
* **Dynamic Prompt Extraction:**  
  It retrieves dynamic prompt fields from the Airtable table’s schema. These prompts are defined in each field’s description and dictate what information should be extracted from an uploaded PDF.
* **File Processing:**  
  When a row is updated (typically in the "input" column where a PDF is uploaded), the workflow downloads the PDF and extracts its text content.
* **LLM-Powered Data Extraction:**  
  For each dynamic prompt defined in the schema, the workflow uses an LLM (via chain LLM nodes) to process the extracted PDF text and generate a short value (or "cell value") corresponding to that prompt.
  + One branch handles generating a value for a field using the primary extraction process.
  + A secondary branch can handle additional processing if needed.
* **Aggregating and Updating Data:**  
  The generated values are then combined and used to update the corresponding Airtable record, ensuring that only the targeted fields (the ones that were created or updated) are refreshed.
* **Looping Through Rows:**  
  To optimize performance, the workflow processes rows in batches—updating one row at a time so that changes appear quickly in Airtable.
* **Webhook and Schema Management:**  
  The workflow also sets up webhooks to listen for changes in your Airtable instance and fetches the table’s schema dynamically, ensuring that the LLM always works with the most up-to-date prompts.
* **Guided Setup:**  
  Throughout the template, sticky notes provide detailed instructions and helpful links (including video demos and documentation) to assist you in configuring your Airtable webhooks, setting up your schema, and connecting the necessary credentials.