**AI Data Extraction with Dynamic**

Prompts and Airtable

What does this do?

* **Event-Driven Trigger:**  
  The workflow starts when an Airtable event occurs (for example, when a row or field is updated in your Airtable table).
* **Dynamic Prompt Extraction:**  
  It uses a switch node to determine the type of event (such as a row update or a field creation/update). Then, it extracts dynamic prompt fields from the Airtable schema so that the system knows which columns need to be updated.
* **File Processing:**  
  If the event involves a file (typically a PDF uploaded into an “input” column), the workflow downloads the file and extracts its text content using a PDF extraction node.
* **LLM-Powered Data Extraction:**  
  The workflow loops through the dynamic prompts for the affected row. For each prompt, it calls an LLM (via chain LLM nodes) to generate a value by processing the extracted PDF text.
  + One branch handles generating values for a field using the first extraction process.
  + Another branch deals with an alternative extraction if needed (using a secondary LLM call).
* **Data Aggregation and Update:**  
  The extracted values are then aggregated and merged into a payload that is used to update the corresponding Airtable record with the new data.
* **Airtable Integration and Webhook Setup:**  
  Additionally, there are nodes to set up and manage Airtable webhooks so that any changes in your table automatically trigger the workflow.  
  Sticky notes throughout the template provide step-by-step instructions, setup guidance, and links to helpful documentation.