



# Output Parsers: Bridging LLMs and Software

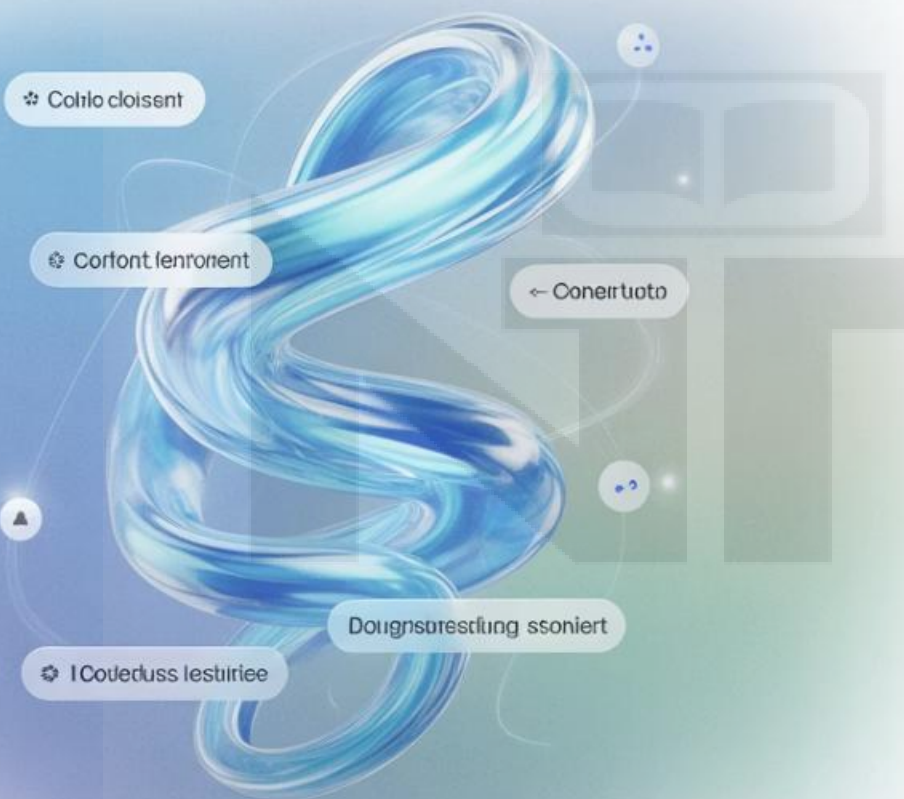
Output parsers help transform the natural language of LLMs into structured data that machines can understand.

by mukesh kumar

Words that flow,  
thoughts that connect

Experience the power of natural language generation

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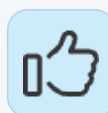
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# LLMs Are Built to Talk Like Humans



## Natural Language Generators

LLMs excel at generating human-like text and conversation.



## Human-Friendly

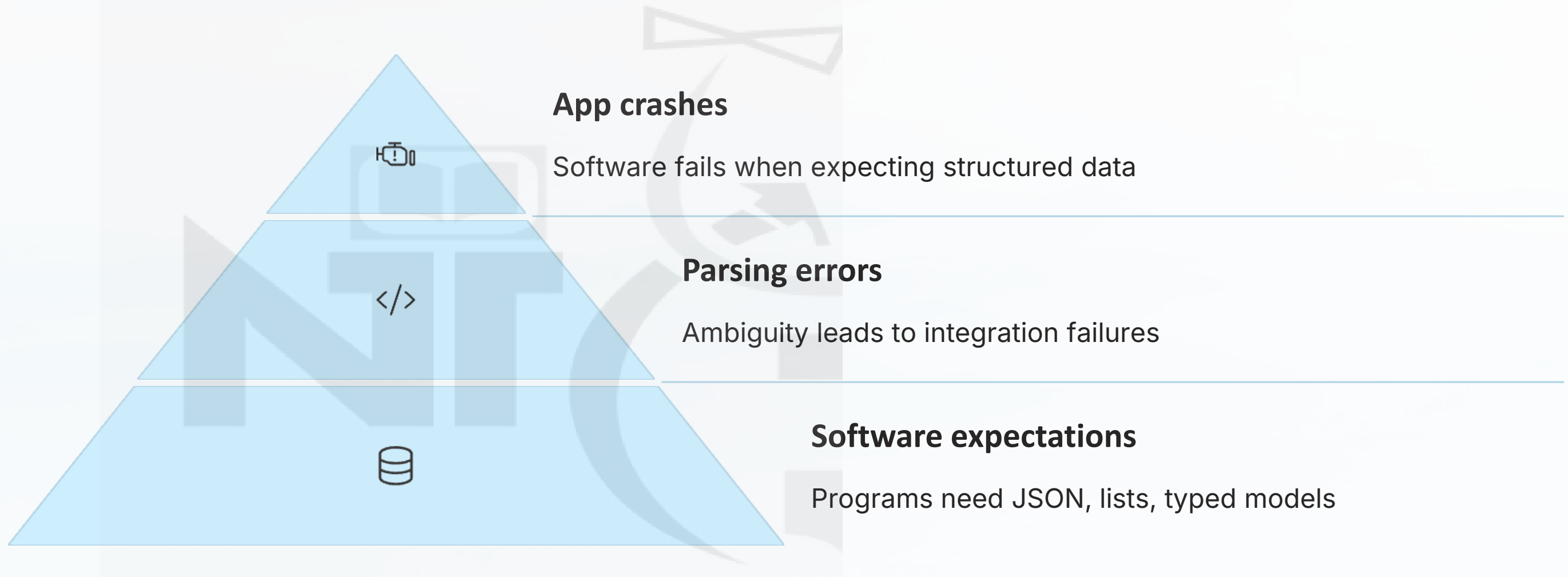
Great for people, problematic for machines and software.



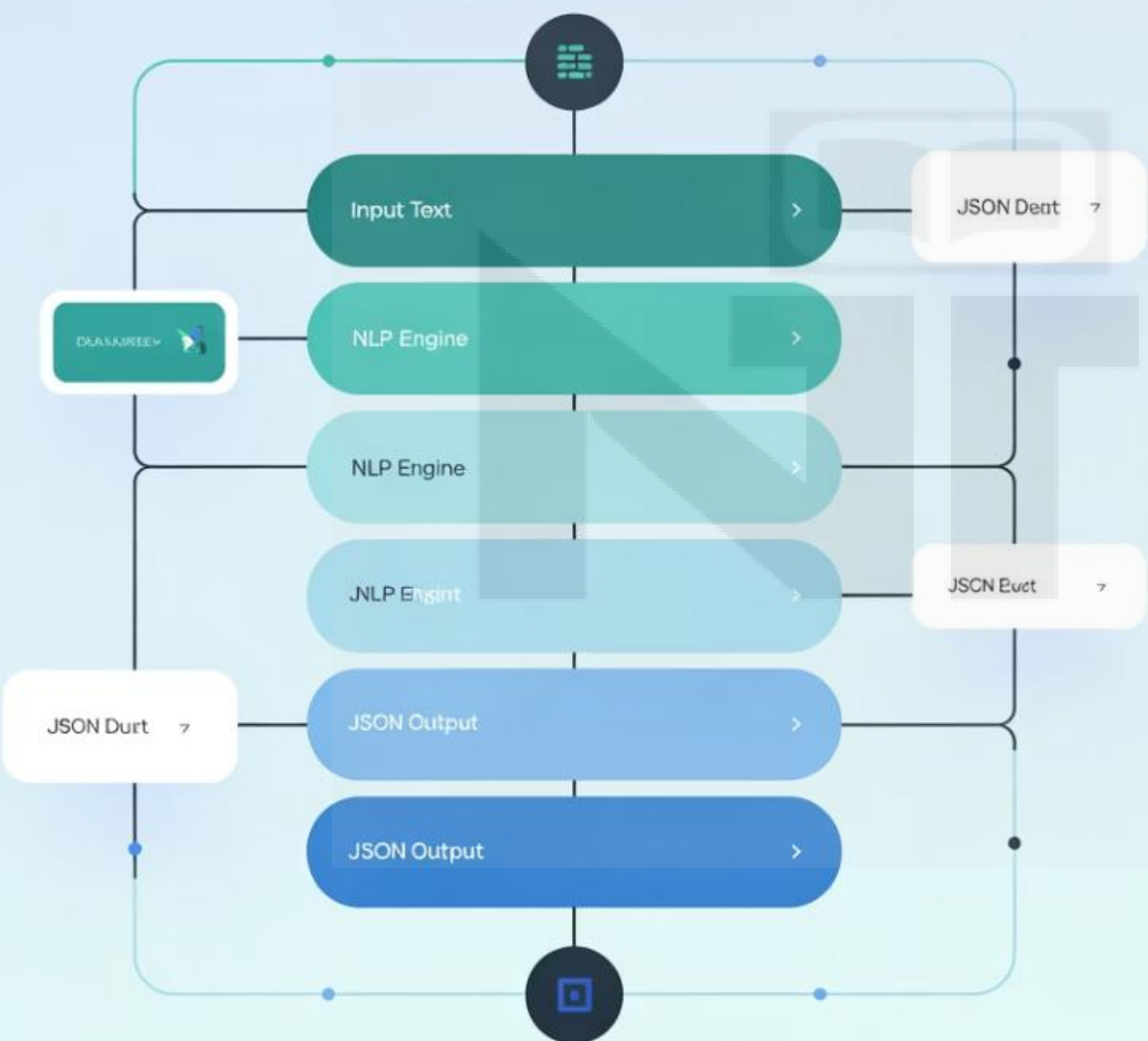
## Unstructured Output

Responses are verbose and optimized for human readability.

# Why Unstructured Output Is a Problem



# Data Transformation Pipeline

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## Enter Output Parsers

### Format

Structure LLM responses

### Validate

Ensure data correctness

### Extract

Make data machine-ready

LangChain tools like `StrOutputParser`, `PydanticOutputParser`, and `JsonOutputParser` enable clean integration with web apps, APIs, and databases.