

# Analytics for everyone, acceleration for experts

## psql-chat

SQL is powerful. But not everyone speaks it fluently. psql-chat lets you query your PostgreSQL database in plain English or German – directly inside psql. No rewrites, no Copy & Paste – Just stay in your (work-)flow.

**PostgreSQL** is one of the most popular open-source **databases**, yet writing SQL remains a hurdle for many users. psql-chat bridges this gap as a **CLI tool** that lets you query your database in natural language. It proposes **SQL queries** or psql commands that you can review, execute, or refine before anything touches the database.

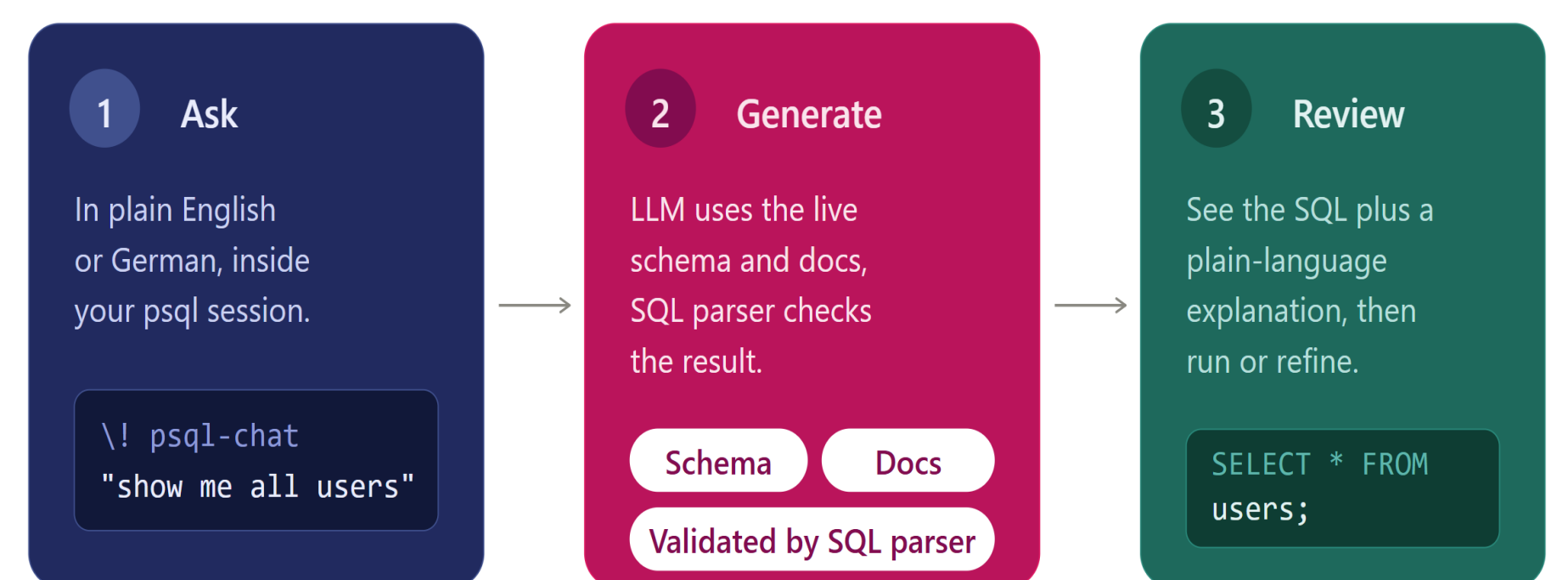


Fig. 2 From a prompt to a verified SQL command

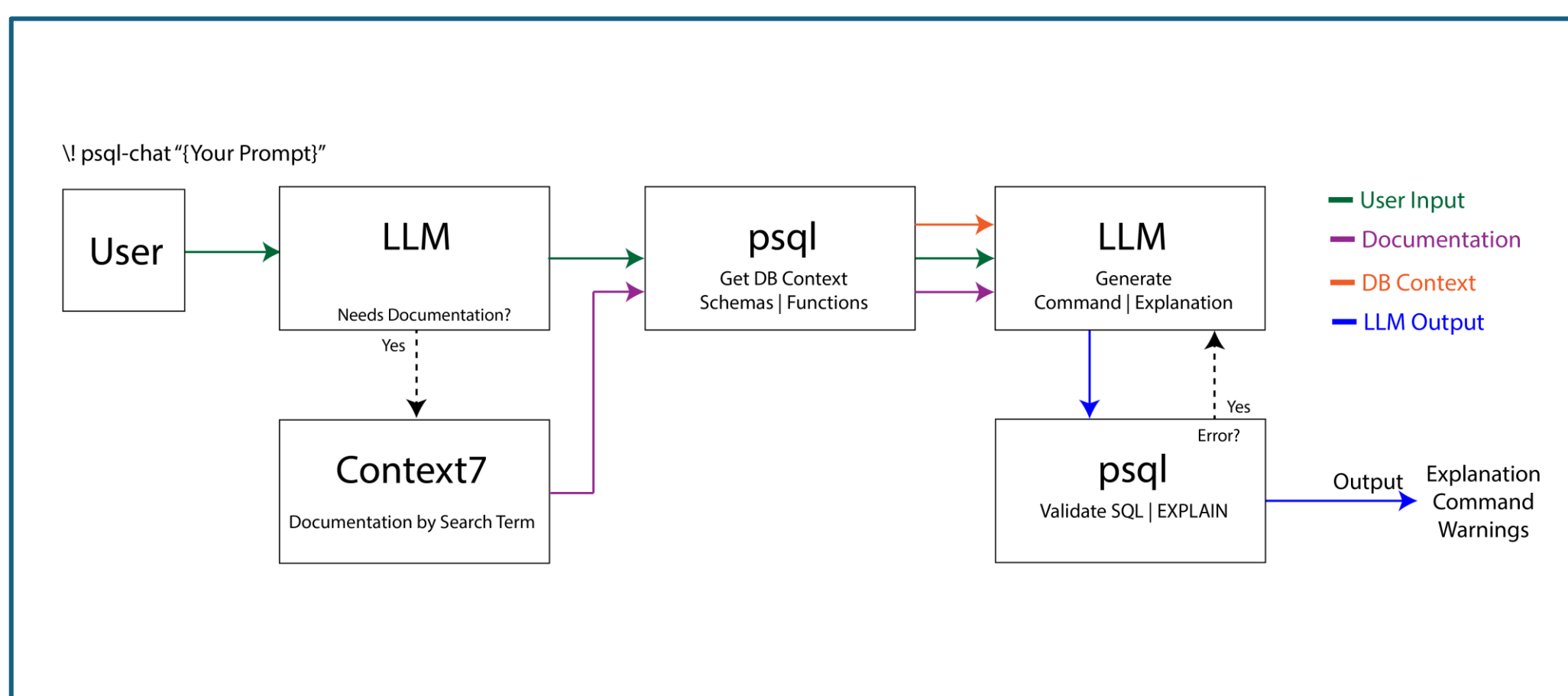


Fig. 1: Flow diagram stating with a user prompt

**psql-chat** integrates seamlessly with **psql**: called from any psql session after a small one-time setup, it reuses the active connection. Shipped as a **Python** package, it can be launched directly from PyPI via `pipx run` or `uvx` – no prior installation needed. The LLM in use is hosted by the IFS, and it is planned to implement a **local LLM**. With psql-chat, users can run more in-depth SQL analyses without advanced SQL knowledge, while experts can accelerate their day-to-day tasks.

Every prompt is enriched with **context** so the LLM understands your database:

- **Live schema** is attached automatically
- **PostgreSQL docs** are fetched on demand when needed
- **SQL validation** by the parser with iterative error correction, before anything reaches the user



Fig. 3: psql-chat the «SQL query buddy»

