

Calendar- Driven AI Scheduling Agent

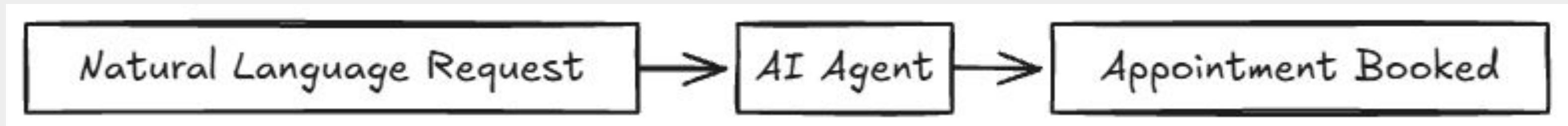
By

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Calendar-Driven AI Scheduling Agent

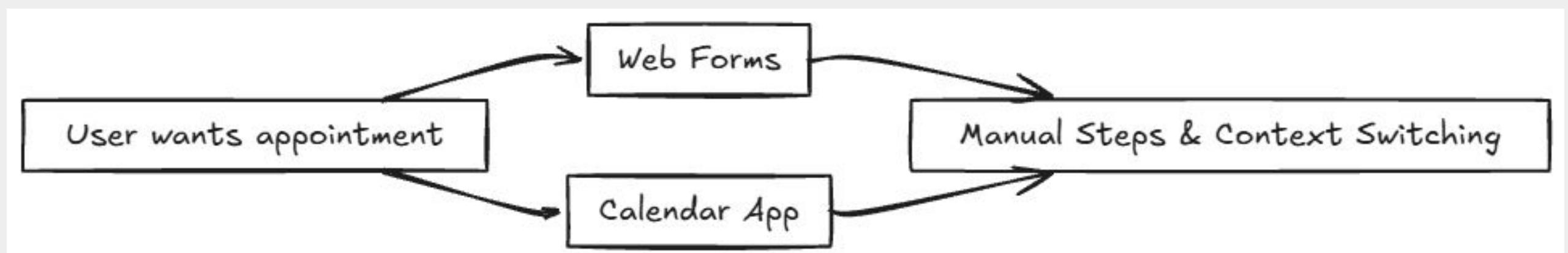
I built an AI agent that lets users book real appointments directly from natural language, using calendars as the source of truth instead of web forms.



The Problem

Scheduling is still broken

- Booking requires:
 - Switching apps
 - Filling forms
 - Manual calendar checks
- Calendars already contain the truth

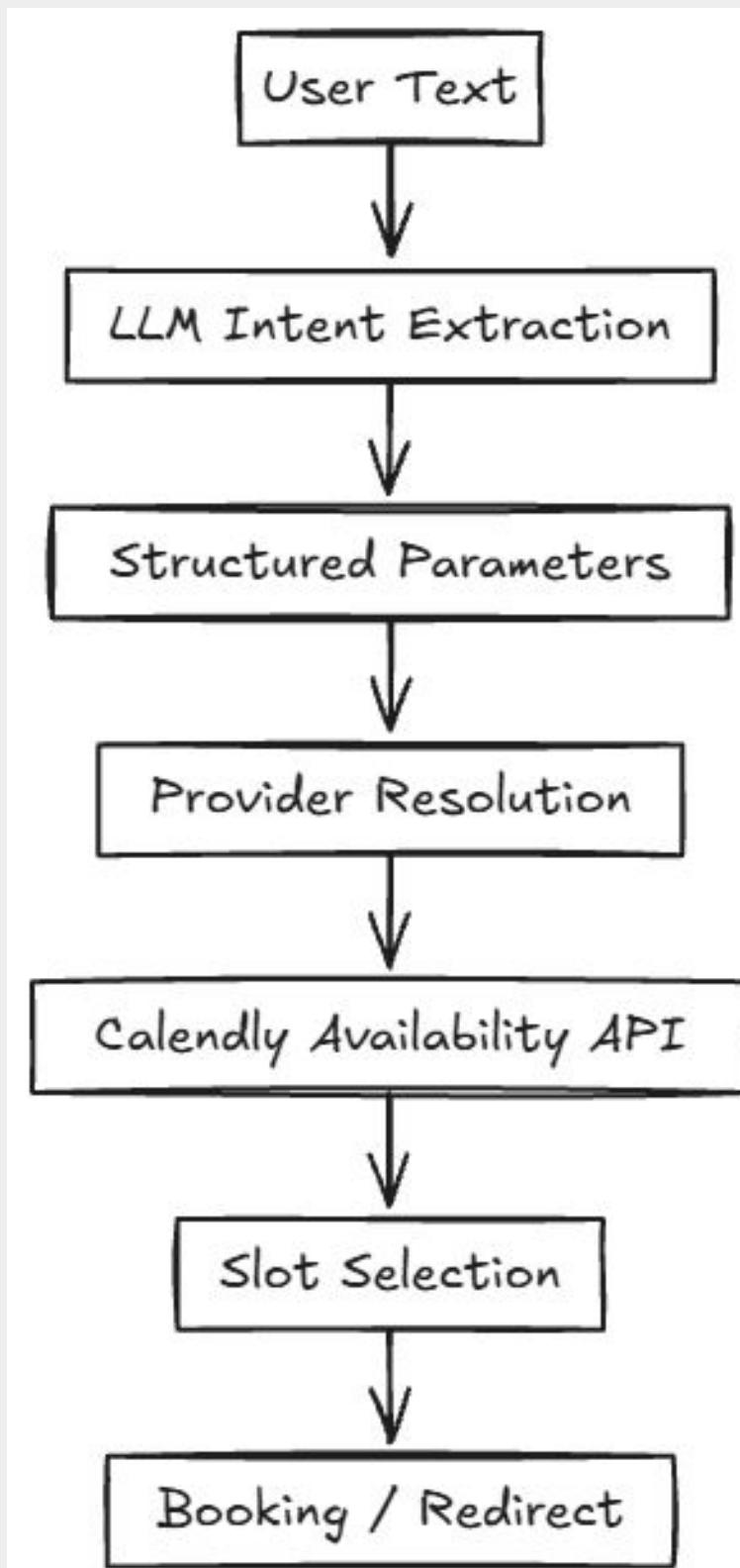


Book appointments *from the calendar*

“Book a therapy session with Dr. X at 8 pm tomorrow”

The agent:

1. Understands intent
2. Extracts structured parameters
3. Checks real availability
4. Books or redirects seamlessly



Intent Understanding

LLM as a structured parser, I extracted:

- Service type
- Provider
- Preferred datetime (timezone-aware)
- Duration
- Mode (online / in-person)

Output is **strict JSON**, not text.

Availability Intelligence

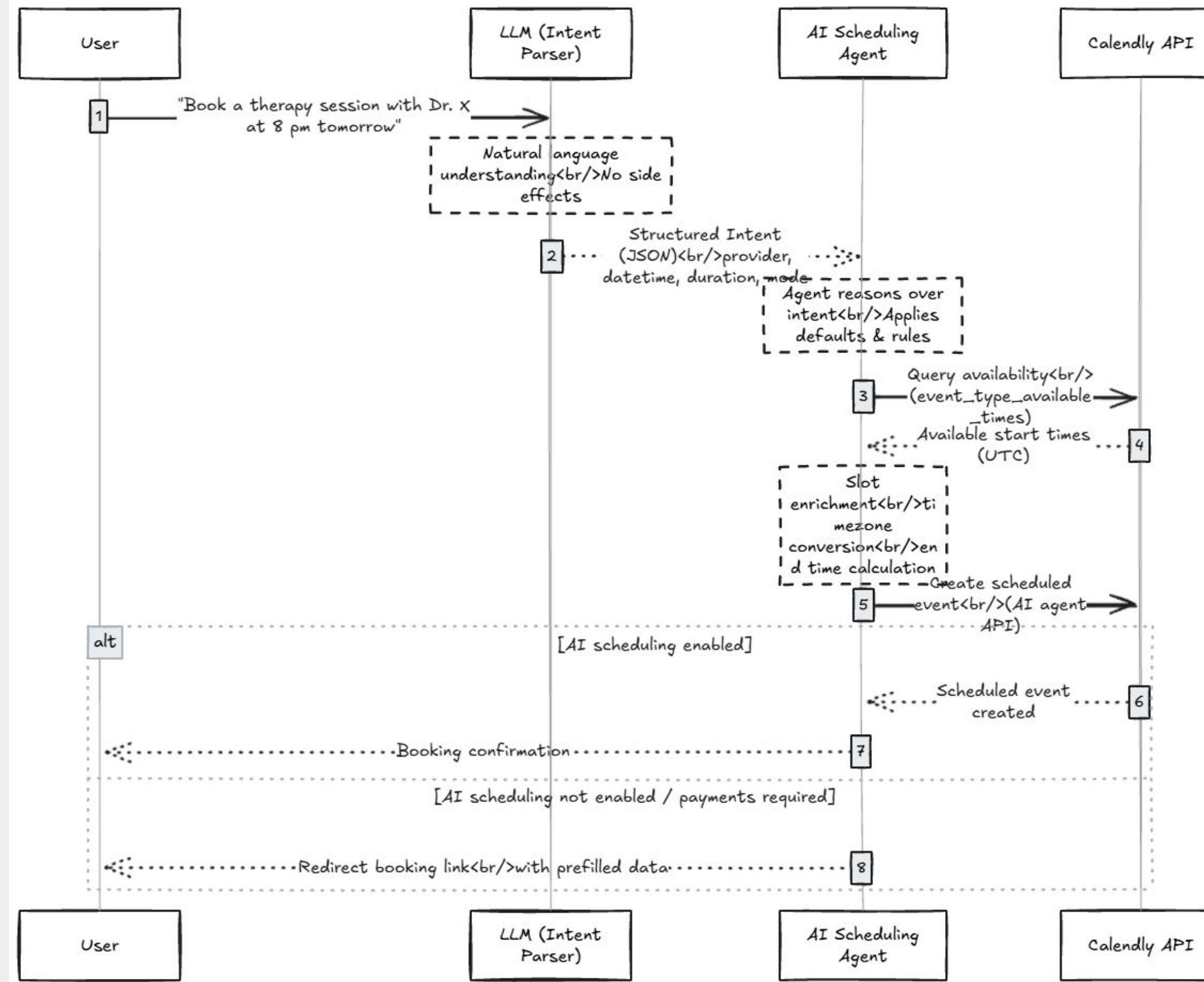
Calendly returns:

- Start times only (UTC)

I compute:

- End times
- Local time display
- Human-friendly ranges

Architecture



Thank You



Hridyesh Bisht

Technical knowledge specialist

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