Runtime Architects — Team Meeting Minutes
Date: 23 July 2025
Time: 12:01 AM – 12:45 AM
Location: Online Call
Attendees:

- Pablo Periañez Cabrero
- Firose Shafin
- Aditya Bhargav Akella
- Nithyakamal Ilamurugu
- Saeed Misaghian (Microsoft)

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1. Technical Updates and Progress

- Pablo successfully integrated GraphFlow with CosmosDB and demonstrated user data and chat history persistence in the UI.
- GraphFlow agents are functional but the front-end is currently unable to receive the final response due to a suspected streaming/JSON issue.
- Aditya showed that planner-agent logic is functioning correctly, selectively triggering appropriate agents based on the query.
- Kamal's implementation of functions also working; will evaluate which implementation to retain.
- Agreement to modularize `main.py` and move backend routes, prompts, and configs into separate files.

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2. Functional and UI Enhancements

- Conversation continuity is not currently implemented — queries are handled linearly.
- Plan to feed chat history as context to agents for future conversations (e.g. multi-step queries like "plot the data" after an initial "give me the carbon data").
- Front-end enhancement request:
    - Provide a short, concise answer (e.g. "Yes, you can charge your EV")
    - Allow users to optionally expand to see the detailed agent reasoning.

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3. Evaluation Framework

- Firose and Kamal showcased a hybrid evaluation framework:
    - Combines rule-based and LLM-as-judge techniques.
    - Uses criteria like semantic similarity, consistency, and response quality.
- Mentor emphasized the need for **ground truth examples** (10 minimum) to improve reliability.
    - Will be stored in JSON or CSV.
    - Evaluation should score based on prompt features (e.g. bullet count, emojis, clarity).

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4. Prompt Engineering Cycle

- Kamal demonstrated a logging system that saves agent prompts and responses.
- Plan to implement an agent that refines prompts using evaluation output and system feedback.
- Future integration planned between Kamal's prompt-feedback loop and Firose's evaluation pipeline.

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5. Priorities and Next Steps

- Pablo and Aditya: fix streaming issue and finalize MVP integration in front-end.
- Kamal and Firose: improve prompt quality and structure; integrate evaluation lifecycle with feedback loop.
- Pablo and Aditya to lead backend refactoring:
    - Separate routes, prompts, configs.
    - Create `.env` file and config manager for easy deployment and contribution.
- Demo video and code cleanup also in progress (Pablo).

Goal: Deliver working MVP with UI by end of week (26 July).

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6. Upcoming Meetings

- Team meeting scheduled:
  Monday 29 July 2025 (afternoon or evening)
  Pablo unavailable Monday — will follow up separately on Tuesday or Friday.

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Meeting Adjourned

Prepared by:
Pablo Periañez Cabrero
23 July 2025