Runtime Architects — Microsoft Mentorship Meeting Minutes

Date: 11 June 2025

Time: 12:02 AM – 12:33 AM

Location: Online Call

Attendees:

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

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1. Project Direction and Goals

- The team confirmed the adoption of the **Autogen framework**.
- Saeed reiterated short-term goals:
    - **Proof of concept with one reliable agent**.
    - **Multi-agent framework** to follow after confidence is established.
    - UI should use **Azure templates**; minimal focus for now.
    - Deadlines:
        - **MVP (multi-agent prototype):** by **18 June 2025**.
        - **UI integrated with agent output:** by **25 June 2025**.
        - **Final presentation:** 4 August 2025.

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2. Team Updates

- **Architecture & Process**
    - Pablo presented updated architecture and GitHub structure.
    - Regular team syncs, GitHub Actions, issue tracking, and naming conventions have been implemented.
- **Working Agent Demo (Pablo)**
    - Policy agent responding to simple queries (e.g., “What’s the capital of France?”).
    - Next step: implement RAG-based document querying.
- **Multi-Agent Code Generation Demo (Aditya)**
    - Demonstrated a basic Autogen setup where:
        - One agent generates code (e.g., decrementing a number or creating a plot).
        - A second agent reviews and evaluates the output.
    - Execution was manual; Azure AI Foundry may later allow real-time execution.

- **Custom Model Integration (Kamal)**
  - Implemented **Autogen with Cerebras**, an alternative to OpenAI, to allow flexibility in model selection.
  - Focused on enabling prompt execution through third-party LLMs, which is critical until Azure credits are granted.

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3. Technical Feedback from Mentors

- **Saeed's Feedback:**
  - The current progress is acceptable but **still behind expectations**.
  - Emphasized the need for a **working multi-agent system** (e.g., data retrieval, analysis, and plotting basic statistics).
  - **RAG and policy agents** should be deprioritized until foundational agent interaction works well.
  - Provided:
    - GitHub repo link with **air quality scraper code** (AirGrid).
    - Suggestions on how to **reuse and extend it**.
- **Neenu's Update:**
  - **Azure subscription** for UCD projects should be ready next week.

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4. Deliverables and Timeline

Deadline	Deliverable	Assigned To
18 June	Functional multi-agent system with at least 2 agents	Aditya, Kamal
18 June	Working AirGrid scraper with flexible parameters	Firose
25 June	UI connected to agent output	Firose
Ongoing	DevOps, GitHub management, coordination	Pablo

Key Note:

- Sample data and minimal logic (e.g., computing average or plotting CO_2) is sufficient for MVP.
- Prompt quality and agent interaction design are priorities.

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5. Resource Suggestions

- Use **GitHub-provided LLM APIs** for testing until Azure credits arrive.
- Saeed will share a list of usable open-source LLMs and token quotas.

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6. Next Meeting

- Rescheduled to **Thursday, 20 June 2025 at 12:00 PM**, due to availability issues.
- Team agreed to keep regular syncs and work in parallel tracks to accelerate progress.

Meeting Adjourned

Prepared by:

Pablo Periañez Cabrero

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