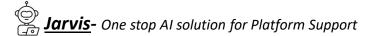
# Wells Fargo Technology Hackathon 2025

Gen AI for Platform Support – Integrated platform Environment





Trivia – each letter used in Seagulls V25 is written using different font, font size, style and font color ©

## Jarvis- Diversified Technology Stack





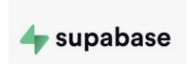


















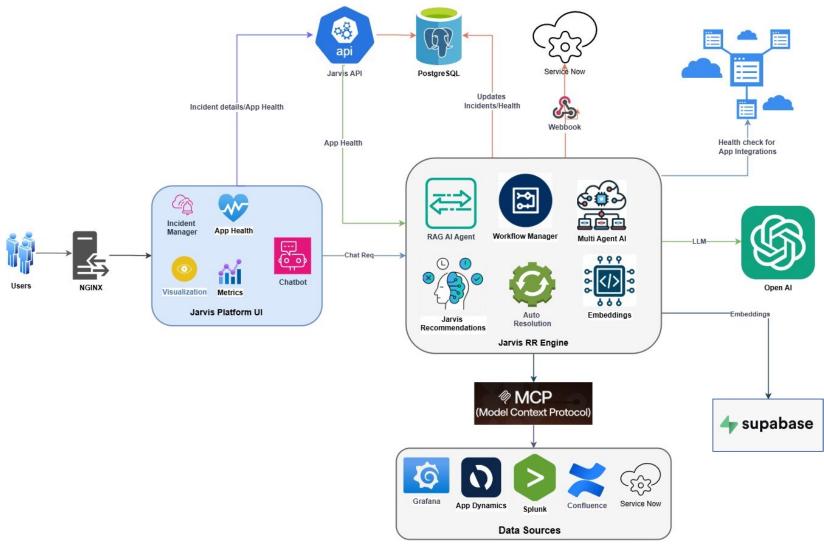








## Jarvis- Architecture



## "Jarvis" summary



#### **Problem Statement:**

Develop a gen-AI enabled Integrated platform environment that provides an integrated console to platform support

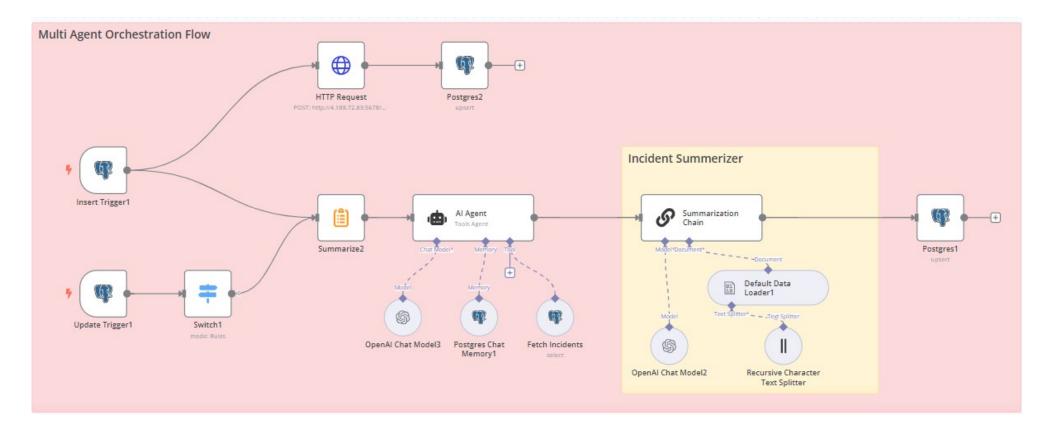
#### **Solution:**

- ✓ **GenAI-powered** workflows to enhance key platform capabilities.
- ✓ **Webhook integration** with ServiceNow to trigger GenAI workflows for proactive recommendations, RCA summaries, and resolutions.
- ✓ **User-friendly UI with an AI-powered chatbot**, offering incident management, triaging, and resolution capabilities, along with additional features to streamline daily operations..
- ✓ **Seamless data integration** from enterprise tools like ServiceNow, Grafana, Splunk, and Confluence.
- ✓ **MCP-enabled architecture** for efficient context management and smooth integrations.
- ✓ **APIs for easy integration** between the UI and GenAI workflows.

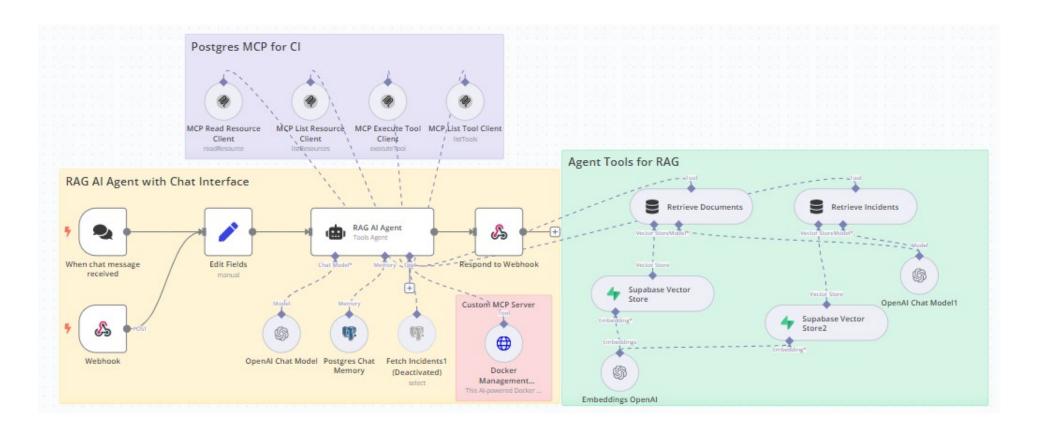
### **Novelty:**

- ✓ **Self-healing and automated incident resolution** in ServiceNow using GenAl-driven workflows.
- ✓ **Real-time data synchronization** for new incidents and data source updates into a vector database.
- ✓ **Configurable workflows** for RAG-based retrieval and data synchronization.
- ✓ **Multi-agent orchestration** to streamline task delegation and execution.
- ✓ **Application and dependency health dashboard** for enhanced monitoring.
- ✓ **Portfolio health view** tailored for managers and leadership teams.
- ✓ **Comprehensive platform metrics** to track key capabilities and performance.
- ✓ **Integrated, customizable toolkit** (e.g., Docker) with framework-supported workflows.

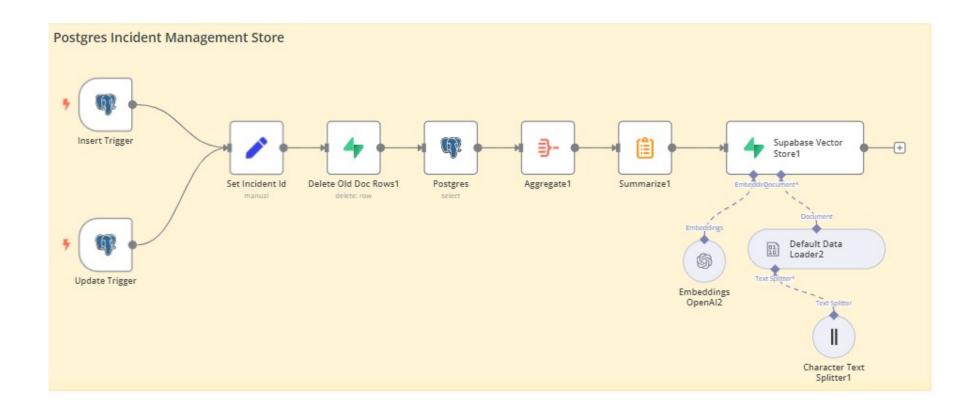
## Multi Agent Orchestration workflow



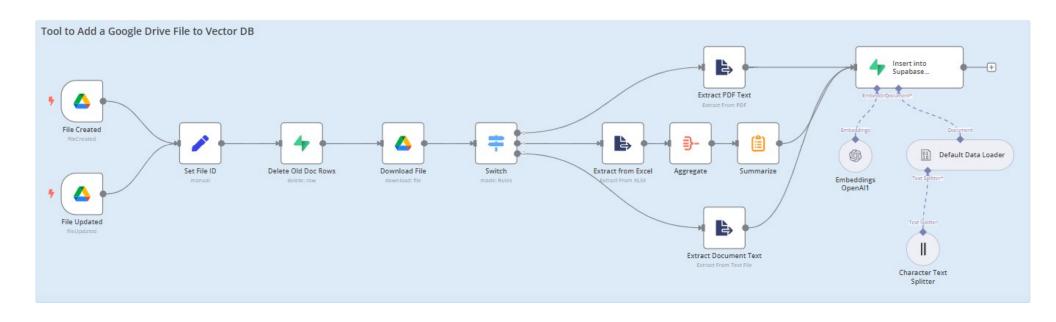
## Incident Recommendation & Resolution MCP workflow



## Incident data sync workflow



## Knowledge source data sync workflow



## Challenges

- ✓ **Real time integrations** with Enterprise Tools like Service now, Splunk, Appdynamics
- ✓ Creation of sample Datasets for incidents and telemetry related data
- √ Hosting infrastructure for the complete solution

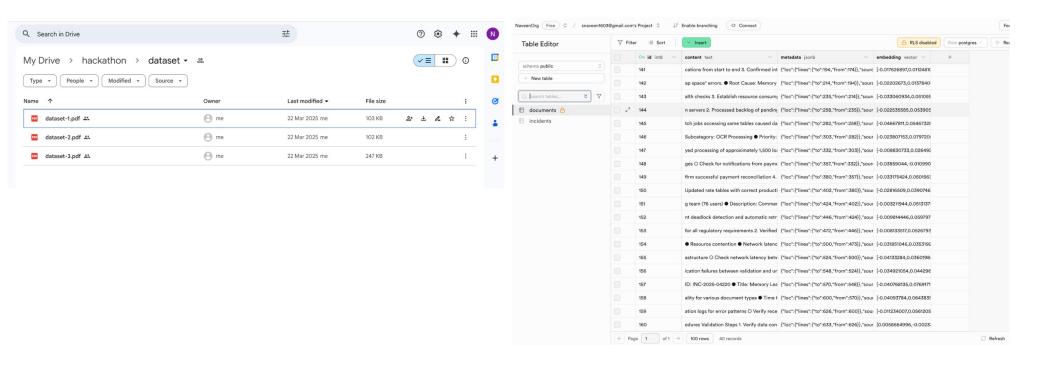
## Roadmap

- ✓ Extend the solution with Real time integrations for Enterprise Tools like Service now, Splunk, Appdynamics
- ✓ Single click Paging when any application dependency is down
- ✓ End to end Incident resolution updates in **Service now ticket**

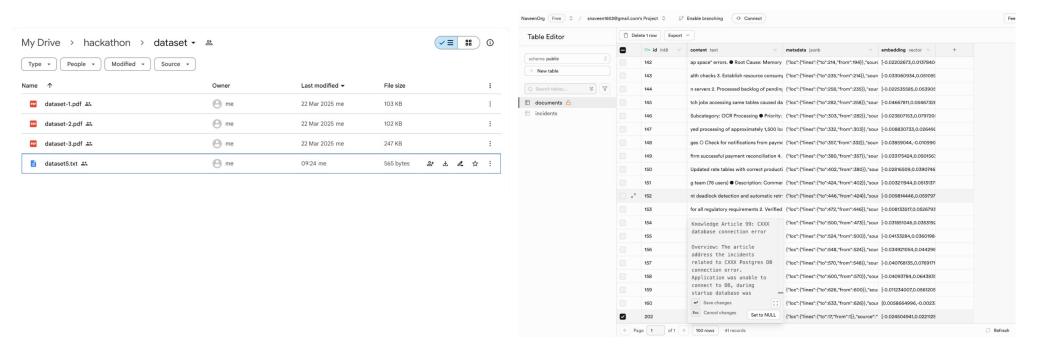
# Appendix

## Results

#### **Current Knowledge Hub**

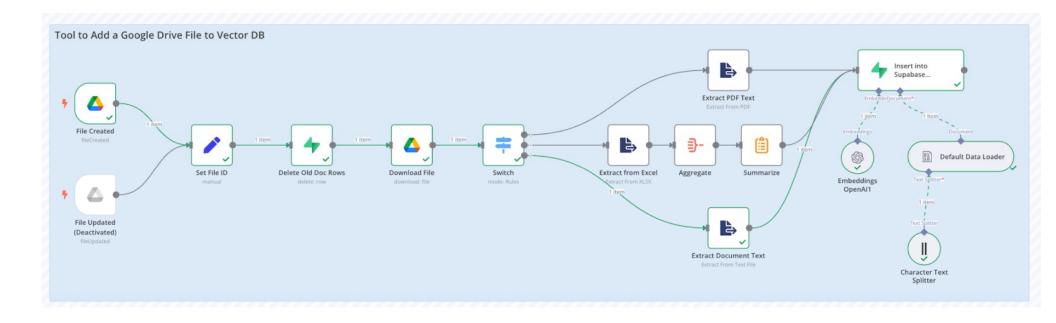


Updated Knowledge Hub when a new dataset gets added

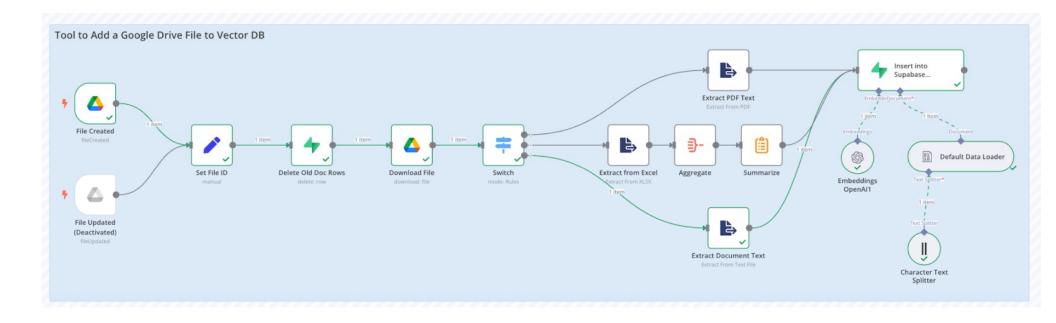


A new row (202) was automatically added to the vector store along with the knowledge source.

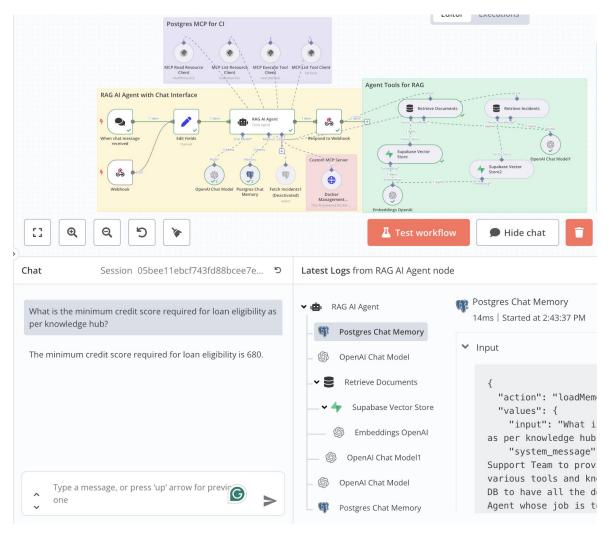
#### **Invoked Flow**



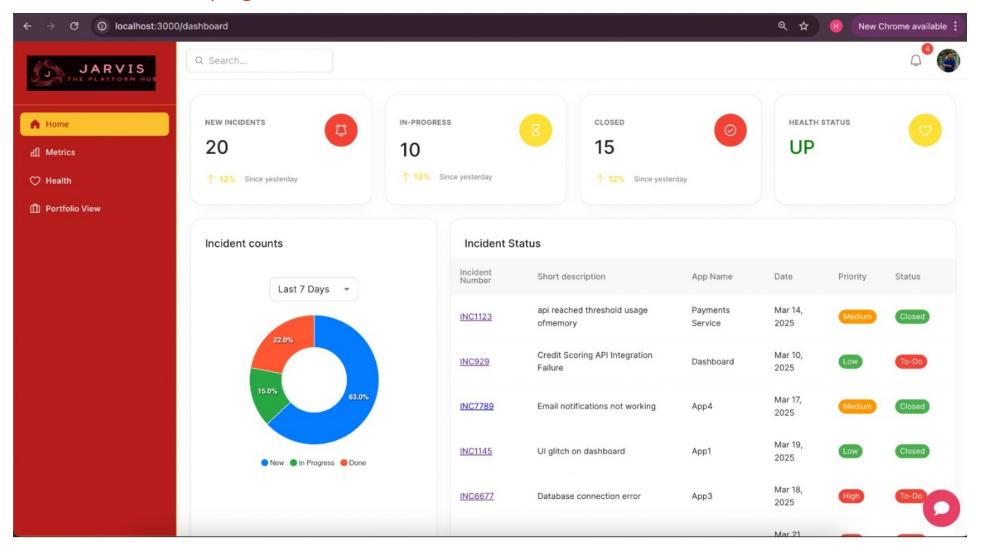
#### **Invoked Flow**



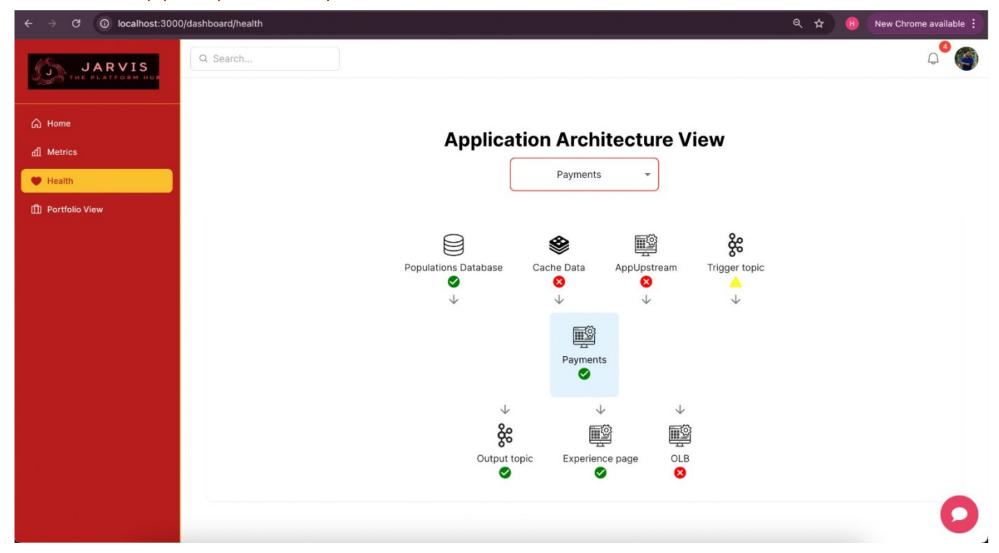
## Jarvis RR Engine: Real time Knowledge Source Updates



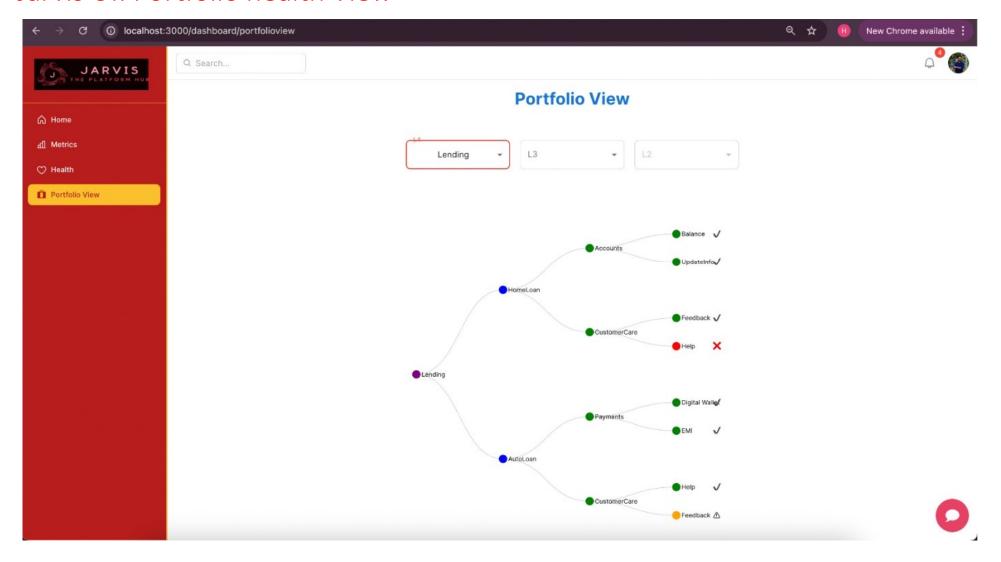
## Jarvis UI: Homepage



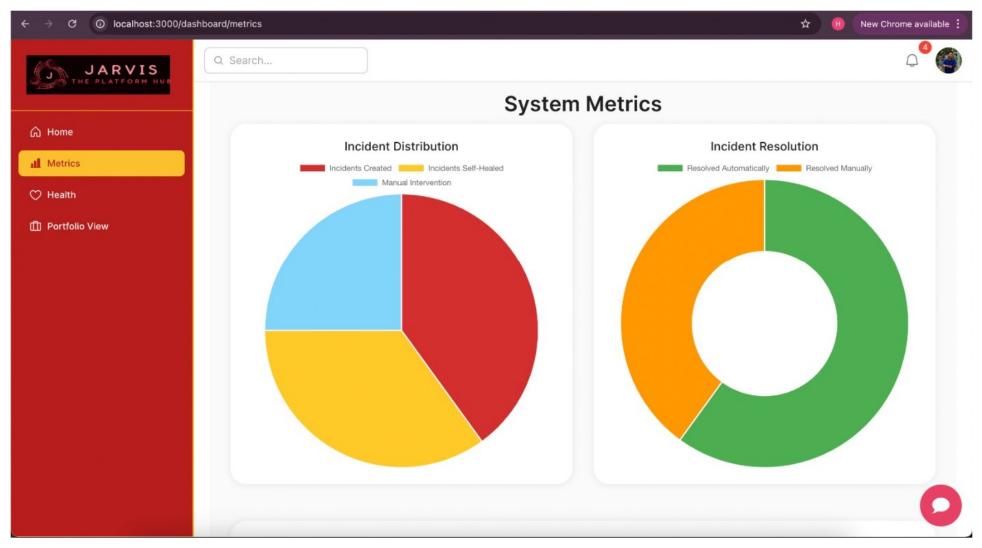
## Jarvis UI: App dependency health View



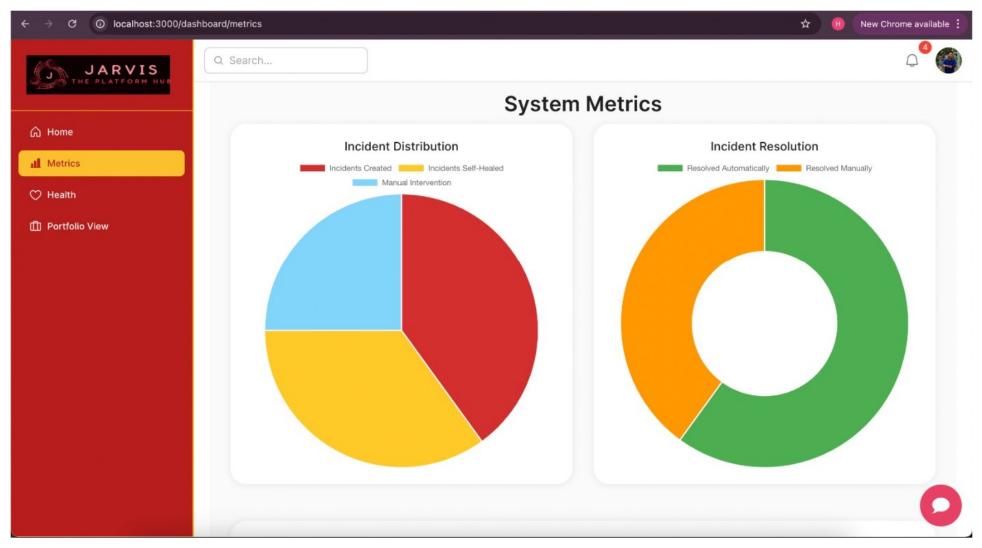
### Jarvis UI: Portfolio health View



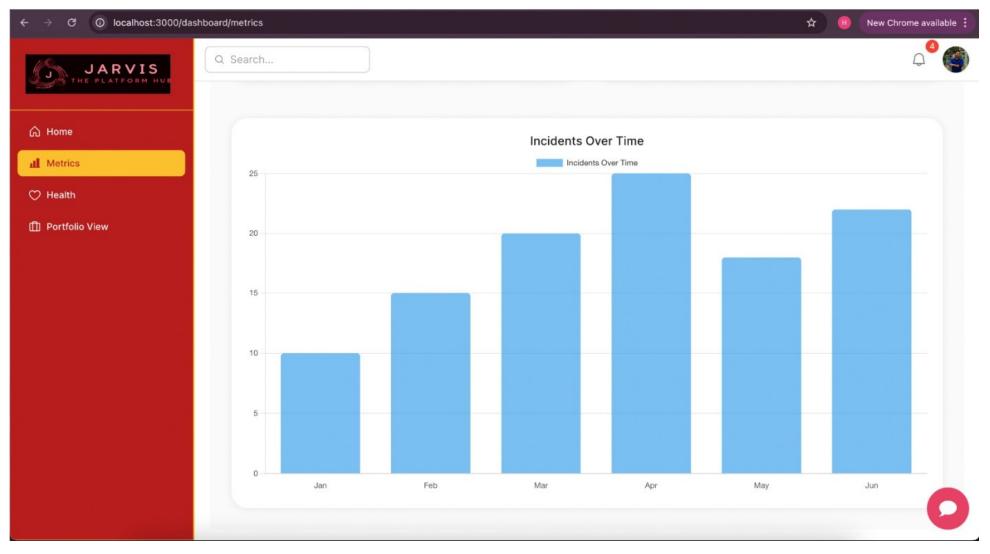
### Jarvis UI: Metrics



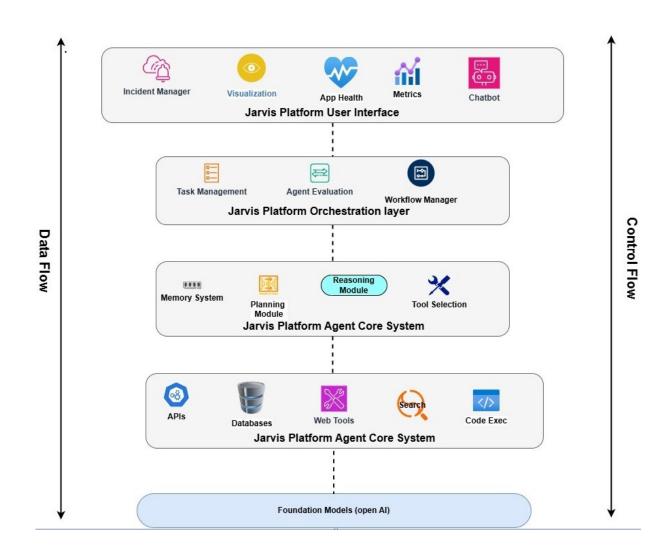
### Jarvis UI: Metrics



#### Jarvis UI: Metrics



## Jarvis- Control and Data flow



Thank You