

Introducing DataTalk: Conversational AI for Data Insight

Project Overview:

DataTalk simplifies data access for non-technologies users, turning complex data into easy insights through natural language.

Problem Statement:

Non-technical users face difficulties with large datasets, often leading to uninformed decisions.

Solution Summary: DataTalk enables users to ask questions and receive instant actionable answers with visualizations and summaries.

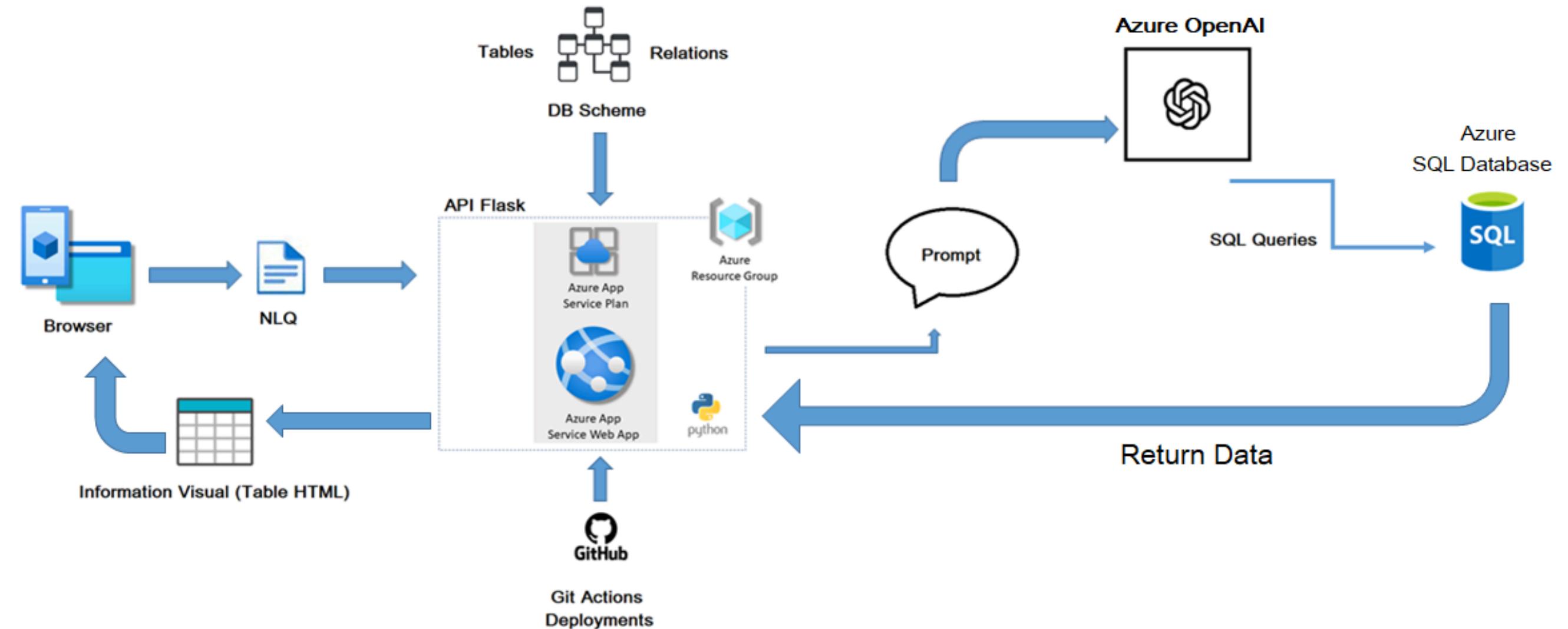
Created by Carlos Jesus Gonzalez Ramos & Tiana Aprianti

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What we used:

Python
Flask
Azure OpenAI
Azure SQL Database (SQL Server)
Azure App Service
HTML, CSS (Bootstrap/Font Awesome), Javascript(Jquery/Ajax)

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Choose one of the different options:

[!\[\]\(4222901cb0b23d3b20e48e0aa550c263_img.jpg\) Welcome](#) [!\[\]\(35de7ce9c97e259aff6f01ac90da87f8_img.jpg\) NLQ \(Natural Language Query\)](#) [!\[\]\(62d4d3494d4340f830d2a84926a2cbde_img.jpg\) About](#)



Complex Queries

Technical Barriers

Delayed Project Deadlines

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Choose one of the different options:

 Welcome  NLQ (Natural Language Query)  About

Give me the employees who are under 35 years old. ▼

Enter a natural language query below:

Give me the employees who are under 35 years old.

 Execute  Clear

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Choose one of the different options:

 Welcome

 NLQ (Natural Language Query)

 About

Give me the employees who are under 35 years old.

Enter a natural language query below:

Give me the employees who are under 35 years old.

Execute 

Clear 

SELECT * FROM Employees WHERE age < 35

code	first_name	last_name	city_id	age	salary	position	years_in_company
1000000001	Juan	Pérez	1	30	3000000.00	Desarrollador	3
1000000002	Ana	Gómez	2	25	2000000.00	Analista	1
1000000005	Carlos	García	5	29	2800000.00	Desarrollador	2
1000000006	Sofía	Hernández	6	33	4000000.00	Analista	4