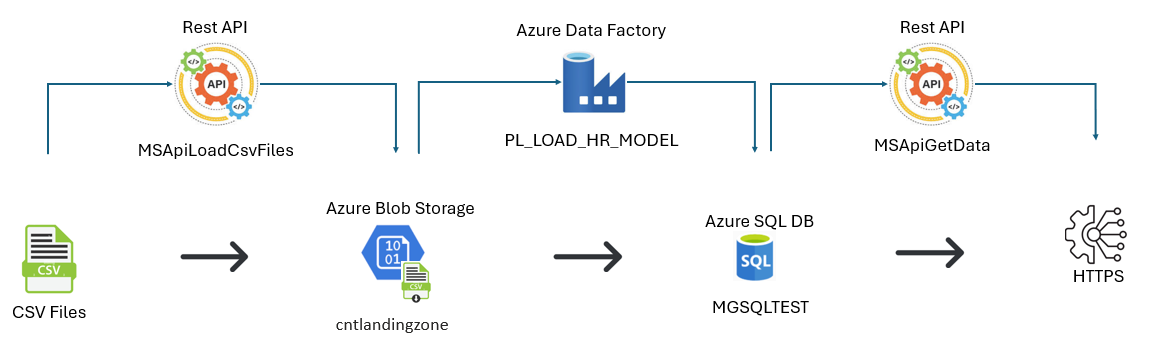
Solution Components Architecture



Components

**Rest API**

GIT: <https://github.com/AndresGHUB/MSApiLoadCsvFiles>

Project: MSApiLoadCsvFiles

Objective: Load CSV files from on-premise location to Azure Blob Storage

Controller: LoadCsvToBlobStorage

Action: LoadHistoricalData

URI: <https://localhost:44304/api/LoadCsvToBlobStorage/LoadHistoricalData>

Description: End-point to load data from on-premise directory to cloud Blob Storage

Action: TriggerDFPipeline

URI: <https://localhost:7035/api/LoadCsvToBlobStorage/TriggerDFPipeline>

Description: End-point to trigger the Data Factory Pipeline which extracts data from Blob Storage and load into Azure SQL DB tables.

**Azure Blob Storage**

GIT: <https://github.com/AndresGHUB/ChallengeAzureTemplates>

Resource: **mglandingzonetest**

Container: cntlandingzone

**Azure Data Factory**

GIT: <https://github.com/AndresGHUB/ChallengeAzureTemplates>

Resource Group: rsmgtest

Resource: [df-mg-test001](https://portal.azure.com/#@godata.com.ec/resource/subscriptions/815fee8d-3fcd-413a-8555-ecaf0be94a4f/resourceGroups/rsmgtest/providers/Microsoft.DataFactory/factories/df-mg-test001)

Pipeline: PL\_LOAD\_HR\_MODEL

**Azure SQL Database**

GIT: <https://github.com/AndresGHUB/ChallengeSQL>

Resource Group: rsmgtest

Resource: mgsqltest (serv-mg/mgsqltest

Server: serv-mg

Database: MGSQLTEST

**Rest API**

GIT: <https://github.com/AndresGHUB/MSApiGetData>

Project: MSApiGetData

Objective: Generate data to deploy into end-points (Reports)

Controller: ReportHiringModel

Action: GetHiredByDepartments

URI: <http://localhost:5047/api/ReportHiringModel/GetHiredByDepartments>

Description: End-point to generate hired by Departments, Jobs shown by quarters

Action: GetCountAvegareDepartments

URI: <http://localhost:5047/api/ReportHiringModel/GetCountAvegareDepartments>

Description: End-point to generate hired by Departments over average