**Solution Architecture And Methodology –**

1. **Data Acquisition and Exploration:**

* Import the "Delivery Time" and "Salary data" datasets into Python using libraries like pandas.
* Perform exploratory data analysis (EDA) on each dataset:
* Analyze variable types, missing values, and data distribution.
* Visualize relationships between variables using scatter plots.
* Identify potential outliers and data quality issues.

1. **Data Preprocessing:**

* Create a copy of the original files so that original data will remain same.
* Normalize numerical variables if necessary to ensure similar scales.
* Address outliers based on EDA findings.

1. **Model Building:**

* Train separate linear regression models for each dataset
* Define the models using libraries like sklearn.
* Train the models with the appropriate training data.

1. **Model Evaluation and Selection:**

* Evaluate the performance of each model using metrics like:
* R-square, coefficient and intercept.
* Visualize the fitted regression line in model.

1. **Load & Save the model :**

* Save the model using JobLib .