




SUHAS BHARADWAJ K

AXIOM CV APPLICATION DEVELOPER

CONTACT

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EDUCATION

Computer Science and Enginnering
Visvesvaraya Technological University
(2016-2020)
CGPA: 8.5/10

SKILLS

- Axiom CV Application
- Data Structures and Algorithms
- MySQL with T-SQL Scripting
- Unix Shell Scripting
- PowerShell Scripting
- Python with PySpark
- Java

CERTIFICATIONS

- AZ-900: Microsoft Azure Fundamentals
- Artificial Intelligence Search Techniques by IIT Madras
- Data Structures and Algorithms by IIT Kharagpur

AWARDS

- Following awards for being best performer in reporting team at TCS:
 - On the spot award
 - Applause award
- Champion in presenting a technical paper on "Application of Bloom Filters in the field of Big Data"

WORK EXPERIENCE

Axiom CV Application Developer at ABN AMRO Bank (Netherlands)

Employer: Tata Consultancy Services (TCS)

November 2020 - Current

The objective of the project is to create a setup to report granular regulatory reports like AnaCredit, Residential Real Estate (RRE) and Commercial Real Estate (CRE) to DNB(Central Bank of Netherlands) on monthly and quarterly basis.

Responsibilities:

- Building CICD pipeline using V10 ReST API which includes:
 - Creating development branches automatically on a monthly basis.
 - Periodically (per day) commit the finalized components into centralized release branch by automatically exporting the components from development branch and importing them to centralized release branch.
 - Compare the imported objects in release branch with its counterpart in development branch from which it was imported to check if the object was correctly committed to release branch. Notify the developers through an automated e-mail in case of incorrect commit.
 - Automatically exporting the objects from acceptance environment and importing it to production environment.
- Automate the running of certain workflows using V10 ReST API and Windows Scheduler.
- Building a workflow with OS Command Modules (Unix Shell Scripting) to encrypt .zip file containing final reports and transforming it to a .mime file
- Designing a Python Script to remove unwanted attributes in .xml files to be loaded to Data Sources in Axiom. This is done by applying Depth First Search (DFS) algorithm on .xml tree structure.
- Design and implement the Data Sources to load the cleaned up .xml files in Axiom.
- Redesigning the existing Data Models and Modify Models to optimize the run time of Aggregations dependent on those models.
- Implementing the new blocking and signaling validations published by DNB.
- Creation of regression suites to find the deviations in final reports from previous month (or quarter) to current month (or quarter).
- Discuss, understand and implement the business requirement of analyzing the trend in final reports of past 13 months. T-SQL scripts are used to do trend analysis. The final reports are presented using PowerBI.

PERSONAL PROJECT

New York City Taxi Dataset Analysis in PySpark

By analyzing the New York City Taxi Dataset that was released by Google on public platform, answers to the following questions were drawn using PySpark data structures such as RDD and DataFrames.

- How have the number of trips changed over time?
- How does taxi usage differ by day and by time of the day?
- What are the top trip destinations and where are those trips coming from?

A model was trained to predict the fare of a given trip using Spark ML Library.