



August 20, 2018

Department of Homeland Security
US Citizenship and Immigration Services

Dear Sir/Madam:

Mr. Amit Prasad had joined Wipro Limited on March 30, 2015 after completing his graduation. The joining letter from Wipro have been submitted with the original petition/application and also as supporting letter to this RFE.

Mr. Amit Prasad first role in Wipro was in BDA as a Senior Project Engineer for the Ciapital One Client. Over the years, **Mr. Amit Prasad** has worked with various line of businesses and banking related business units of Wipro in Senior project engineer role.

Mr. Amit Prasad has been one of **Senior Project Engineer** of Wipro. He joined in the year 2015 as a Senior project engineer. In this role, **Mr. Amit Prasad** was part of the development team that was working on development/solution for Wipro Clients.

Here is a quick summary of his work history:

Client: Capital One Bank, Plano, Texas, USA

10 Mar 2018 –

Till Date

Role: Senior Project Engineer

Project: Squadron

Project Description:

Squadron is a process controller and monitoring application where each process like ADQ, Snapit, Tokenization, L2 Execution, MPP load will be tracked at instance identifier level. Squadron will be used specially intraday executions for L2 but not limited to only L2. Using squadron it is possible to track what instances of L1 is consumed by L2. Also L2 intraday frameworks will be using squadron generated input JSON for their L2 executions.

Responsibilities:

- Involved in Preparation, Reviewing and Execution of test cases.

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- Involved in writing Test Plan for the enhancement requirements and production defect fixes for the database after analyzing the specifications and business requirements
- Performed End-to-End Testing of the Database.
- Wrote Test Cases for testing various scenarios to validate the data.
- Performed Functional, Regression and Smoke tests on the new enhancements added to the tables/SP in database in different environments like Mock, QA and finally in Production.
- Planned and documented Test cases for Database and Regression testing.
- Proficient using of SQL queries like select, insert, update, delete to query & manipulate data.
- Performed End-to-End testing to ensure data consistency on target tables by writing and executing SQL statements on the PostgreSQL.
- Wrote SQL Statements to extract Data from Tables and to verify the output Data of the reports.
- Created test data, and executed test cases, documented results, and defects in JIRA.
- Worked closely with Stake holders and participated actively in the development.
- Implemented REST service to download log file from S3 on user click.
- Integrated ADQ and D1MPP framework to squadron call.
- Implemented bulk upload for on boarding process in REST side.
- Implemented lookup and run file mechanism in scheduler framework
- Did POC on metadata lineage to show D0 to D2B jobs

Skill Used: PostgreSQL,Java,Python, Spring Boot

Client:Capital One Bank, Plano,Texas, USA

11 Feb 2018 – 8 Mar2018

Role: Senior Project Engineer

Project: Snowflake Data validation Framework

Project Description:

This tool has been designed to perform data validation after migrating from oracle to snowflake database. The tool accept a set of user defined oracle and snowflake sqls on

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which a html report will be generated . A user can easily find out if any mismatch comes. This tool can be used for comparing various databases.

Responsibilities:

- Involved in Preparation, Reviewing and Execution of test cases.
- Designed and coded python engine which first connect to databases using plain jdbc and then create a data frame for report generation.
- Did end to end testing of the tool.
- Given customer support in generating various reports.
- Involved in Preparation, Reviewing and Execution of test cases.
- Involved in writing Test Plan for the enhancement requirements and production defect fixes for the database after analyzing the specifications and business requirements

Skill Used: PostgreSQL,Java,Python,Snowflake,Oracle

Client:Capital One Bank, Plano,Texas, USA

31 Jan 2018 – 10 Feb2018

Role: Senior Project Engineer

Project: Report Generation Tool

Project Description:

The report generation tool was designed to generate various reports based on jobs submitted on to cluster . The dataset owner can any time run the tool and generate various types of graphs including performance graphs , daily jobs graph and many more .

Responsibilities:

- Involved in Preparation, Reviewing and Execution of test cases.
- Involved in back end coding to develop a scheduler which will keep pushing statistics on to postgresql.
- Designed and coded python engine which first connect to databases using plain jdbc and then create a data frame for report generation.
- Did end to end testing of the tool.

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- Given customer support in generating various reports.
- Involved in Preparation, Reviewing and Execution of test cases.
- Involved in writing Test Plan for the enhancement requirements and production defect fixes for the database after analyzing the specifications and business requirements

Skill Used: PostgreSQL, Java

Client: Capital One Bank, Plano, Texas, USA

01 Jun 2017 – 30 Jan 2018

Role: Senior Project Engineer

Project: Symphony D4

Project Description:

Symphony D4 is a seamless data ingestion framework from drop box to Redshift or S3. The framework takes input from workflow json which gives instruction about all the modules to be executed on the dataset. There is a CLE component which does all types of tracking and persist it to postgresql. The framework consists of DAM UI which shows all information about the processing dataset.

Responsibilities:

- Involved in Preparation, Reviewing and Execution of test cases.
- Creating cloudformation scripts to create environment and prerequisite installation of softwares.
- Developed bulk upload API where user can create multiple workflow jsons and upload it to git.
- Involved in back end coding to develop a scheduler which will keep pushing statistics on to postgresql.
- Designed and coded python engine which first connects to databases using plain jdbc and then creates a data frame for report generation.
- Did end-to-end testing of the tool.
- Given customer support in generating various reports.
- Involved in Preparation, Reviewing and Execution of test cases.

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- Involved in writing Test Plan for the enhancement requirements and production defect fixes for the database after analyzing the specifications and business requirements

Skill Used: PostgreSQL,Java,Spark,AWS

Client:Capital One Bank, Plano,Texas, USA

15 Dec 2016 – 24 Feb 2017

Role: Senior Project Engineer

Project: INSIGHT

Project Description:

INSIGHT is a data as service platform where a user can compute its attribute automatically on demand or through a scheduler. It has UI through which a user can submit the attribute details . All submitted attributes will be computed on the spark cluster and the result will be written to S3 followed by DQ check . The framework accepts Redshift SQL , Spark Sql , Scala code ,Java code , python code as the calculation methodology.

Responsibilities:

- Involved in Preparation, Reviewing and Execution of test cases.
- Analysis of the specifications provided by the client.
- Involved in back end coding and design of the framework including sniffer implementation.
- Integrating the application with Unix shell script to run 24/7.
- Creating cloudformation scripts to create environment and prerequisite installation of softwares.
- Developed bulk upload API where user can create multiple workflow jsons and upload it to git.
- Involved in back end coding to develop a scheduler which will keep pushing statistics on to postgre sql.
- Designed and coded python engine which first connect to databases using plain jdbc and then create a data frame for report generation.
- Did end to end testing of the tool.

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- Given customer support in generating various reports.
- Involved in writing Test Plan for the enhancement requirements and production defect fixes for the database after analyzing the specifications and business requirements

Skill Used: Java,Spark,AWS,scala,Redshift,Unix

Client:Capital One Bank, Plano,Texas, USA

18 Oct 2016 – 14 Dec 2016

Role: Senior Project Engineer

Project: Quantum POC

Project Description:

Quantum is a in house framework developed by Capital One which leverage user to execute spark sql on the cluster.

Responsibilities:

- Involved in Preparation, Reviewing and Execution of test cases.
- Analysis of the specifications provided by the client.
- Involved in back end coding and design of the framework including sniffer implementation.
- Setting up the environment for using the framework.
- Involved in conversion of Terradata sql to spark sql.
- End to End testing of quantum framework with all converted sqls.

Skill Used: Spark,AWS

Client:Capital One Bank, Plano,Texas, USA

01 Sep 2016 – 04 Oct 2016

Role: Senior Project Engineer

Project: Redshift Performance Testing

Project Description:

This performance testing was carried out before migrating from Terradata to Redshift .The testing was done including 3 types of queries (small ,medium, large). The testing was performed on 4 types of clusters and matrices were collected for the comparison.

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Responsibilities:

- Involved in Preparation, Reviewing and Execution of test cases.
- Involved in collecting the metrics output
- Analysis of the specifications provided by the client.
- Involved in back end coding and design of the framework including sniffer implementation.
- Did end to end testing of the tool.
- Given customer support in generating various reports.
- Involved in writing Test Plan for the enhancement requirements and production defect fixes for the database after analyzing the specifications and business requirements

Skill Used: Unix,AWS,Redshift

Client:Capital One Bank, Plano,Texas, USA

05 July 2016 – 13 Sep 2016

Role: Senior Project Engineer

Project: LR Streaming From TSYS To S3

Project Description:

The objective was to stream the load ready data directly to S3 instead of sending it to DDE server. As part of DWH migration the objective was to skip DDE and EC2.

Responsibilities:

- Involved in Preparation, Reviewing and Execution of test cases.
- Designed and implemented custom consumer in kafka which was the vital component for fetching the messages from kafka topics in the batches and move it to S3.
- Involved in creating the UNIX scripts to execute the application
- Involved in back end coding and design of the framework including sniffer implementation.

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- Did end to end testing of the tool.
- Given customer support in generating various reports.
- Involved in writing Test Plan for the enhancement requirements and production defect fixes for the database after analyzing the specifications and business requirements

Skill Used: Unix,AWS,kafka

Client:Capital One Bank, Plano,Texas, USA

16 Mar 2016 – 18 May 2016

Role: Senior Project Engineer

Project: Turing Framework

Project Description:

The objective was to mask the NPI fields in the load ready file before applying analytic. The Turing API was exposed web service which does the masking of NPI fields

Responsibilities:

- Involved in Preparation, Reviewing and Execution of test cases.
- Kicked off the initial working model for the tokenization of NPI fields.
- Implemented multi threading in the application for faster tokenization.
- Involved in writing UNIX scripts for the application
- Given customer support in generating various reports.
- Involved in writing Test Plan for the enhancement requirements and production defect fixes for the database after analyzing the specifications and business requirements

Skill Used: Unix,AWS,Java

Client:Capital One Bank, Plano,Texas, USA

14 Oct 2015 – 10 Jan 2016

Role: Senior Project Engineer

Project: EC2 to S3 Framework

Project Description:

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As part of DWH migration the objective of this framework was to move the load ready file from upstream (EC2) to S3. The framework was fully automatic including vital components like sniffer , restart ability etc.

Responsibilities:

- Involved in Preparation, Reviewing and Execution of test cases.
- Designed the complete framework including sniffer , restart ability.
- Implemented multi part upload in the application to move bigger load ready files to S3 in no time
- Implemented SNS for any failures
- Involved in writing UNIX scripts for the application

Skill Used: Unix,AWS

His exceptional knowledge on the technology and subject utilized in providing the best quality service to the WIPRO Clients in delivering the quality software products. He has added significant value to all the Projects that he worked.

This letter is issued at the request of the employee and cannot be used as a formal detailed experience letter.

Should you have any queries, please get in touch with us at toll free 1-877-462-9477 option "5" sub-option "1" or email us at uscanada.lettersandverifications@wipro.com

For Wipro Limited

A handwritten signature in black ink, appearing to read "Sofia Denis", is positioned above the printed name.

K Sofia Denis

Assistant Manager- Human Resources

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