**Date:** Wednesday, Sept 20, 2019

**To Whom It May Concern:**

I, Mr. Siddharth Dubey employed with Tata Consultancy Services Limited India designated as “Consultant” certify that Mr. Niraj Jha has been employed with Tata Consultancy Services India on a permanent full-time basis since 01‑Aug‑2012 and currently designated as I.T. Analyst.

During his tenure with TCS India, his role was Senior Quality Engineer (NOC #2173 - Software Engineer and Designers) and he worked 45 hours per week. Mr. Niraj Jha worked with different TCS clients like Bank of Montreal (BMO) and Royal Bank of Canada(RBC) in managing & delivering Quality Software product by rigorously following Software Testing Life Cycle including Automation.

**Project #1** : Digital Channel & Marketing (DCM)

**Duration** : Nov 2015 – June 2018

**Client** : Bank of Montreal (BMO)

**Location** : India

**Description** : Bank of Montreal, BMO Financial Group is a highly diversified financial services organization in Canada. BMO provides a broad range of Retail banking, Wealth management, Online Banking and Investment banking products and solutions. Digital Channels Marketing will provide information to the customers about Every Day Banking (EDB), Bank accounts, credit cards, loans and line of credit, Mortgages, Travel services, foreign services etc. products and their features in visually appealing ways. It will also provide various tools to calculate loan eligibilities; mortgage calculations etc. to their customers to make the process understanding simple, easier and hassle free to the online banking customers. DCM aims to improve the depth and strength of our digital capabilities which will set us up for immediate and future success as we drive to accelerate digital transformation to meet BMOs goals in efficiency, NPS and digital conversion

**Project #2** : MSCSM on ICM

**Duration** : Nov 2014 - Nov 2015

**Client** : Royal Bank of Canada(RBC)

**Location** : India

**Description** : MSCSM on ICM is a Mortgage management portal. This application has two modules MSCSM and ICM. MSCSM is a Web Application/portal which helps user to submit different types of mortgage deals like Residential/Commercial etc., manually from application. Here user can Submit deals manually, generate different type of reports/Statements and raise inquiry for submitted deals. This application is accessible to user as per their roles for example Mortgage Specialist, Mortgage specialist Assistant, Regional vice president, Administrator etc. Mortgage can be submitted manually or in bulk. Bulk submission is being managed by ICM Application. This application is meant for Admin user who can submit the deal in bulk by uploading file and can process it further by running different data ports. Data port is an automated job which is scheduled in ICM. This data port has certain business rule which validates all deals, inquiry, statements etc. once it runs.

**Project #3** : ICM on IRP

**Duration** : Dec 2013 – Nov 2014

**Client** : Royal Bank of Canada(RBC)

**Location** : India

**Description** : ICM on IRP is an Investment Retirement planning portal. Where IRP can submit their Transaction and further it will be processed by VCSS in ICM by running Data ports. So that IRP gets commission, sale bonus, base commission LTFA/LTIA, based on Transaction amount, type etc. Once transaction is submitted accordingly it gets Reflected on IRP Statement. This application has two modules, IRP and ICM. As mentioned above IRP portal is accessible to IRP to submit their investment transaction, more over this also help user to submit transactions, generate report, statement and raise inquiry for Submitted Investment deals. This application is accessible to different types of users IRP, IRP Assistant, Regional vice president and Administrator. Apart from manually submission of transaction, Transaction can also be submitted in bulk and this can be done through ICM. ICM help to upload transaction in bulk (Posted Transaction) using transaction file. Once transaction upload completes, data port execution starts. Data port is kind of automated job which triggers when certain condition occurs. This data port help to move transaction process further and at end commission generated which is given to IRP.

**Project #4** : IAM SOC1 Integration

**Duration** : Aug 2012 – December 2013

**Client** : Royal Bank of Canada (RBC)

**Location** : India

**Description** : IAM SOC1 Integration is between two applications EAR and EOSARS, which serves different purpose. EAR is Enterprise Access review, here RBC employees having different type of access to Application. And all access management is being done in EAR. To manage the access there are certain user role who takes care of their respective task for example Admin, Delegate, Employee etc. Here all application having their unique code which is called as Appcode and Employee access is mapped to these appcodes. Hence to manage different type of access at one place, all appcodes related information integrated at one place that is called as EAR. EAR works for Employee access, EOSARS maintains and manage group access for different appcodes.

**Roles and Responsibilities performed by Niraj:**

* Understanding the project charter and the reason behind the project’s existence, Designing the project’s plan, test strategy documents for projects and preparing effort estimation
* Dividing and scheduling the project into phases, creating Work Breakdown Structure (WBS) and validating coding standards including static analysis and reviews for the design documents released based on the project charter and architecture
* Identifying gaps in the high level and low-level design documents at the early stage of the test life cycle, and sprint to minimize the cost incurred in fixing the defects
* Identifying, assessing and prioritizing risk items, evaluating its impact, managing and reporting rules by interacting with the Development team, Environment team, Quality Assurance team, L2 team and bank users, and sharing requirement and functional documents for changes;
* Prepare requirement traceability matrix, test scenario, test cases and test execution report.
* Performing test execution and analyzing the results, managing defects and providing QA Sign off.
* Perform Effort estimation for Automation, Feasibility check for on automation tools and applications.
* Designing Test Automation Framework, identifying unique and reusable components developing automation scripts and perform dry run.
* Preparing test data and running Automated regression test sets and maintaining automation scripts.
* Preparing and sharing Daily Status Reports (DSRs), and Weekly and Monthly Status Reports with clients, and managing any deviations from the planned activities;
* Managing and helping onshore and offshore teams across different locations to understand the scope of requirements and its impact on financials;
* Ensuring the requirement related queries of the Testing and Development teams are resolved, zero defects to the existing functionalities by performing regression testing.

This letter is being issued as requested by Mr. Niraj Jha for inclusion in his application for permanent residency in Canada.

Please do not hesitate to contact me if any further information is required.

Thank you for your consideration.

Sincerely,

Siddhartha Dube

Employee#: 391499

TATA Consultancy Services

Project Manager - Digital Channel Marketing

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