Ankit Dwivedi

Software Development Engineer in Test specializing in Automation and Manual Testing. Experienced with all stages of the Testing life cycle for ETL and Selenium projects. Well-versed in numerous programming languages including Python, C, C++ and Tools like Informatica, Azure Data Factory, Selenium Web Driver, MS SQL Server.

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Skill Highlights

- Strong decision maker
- Complex problem solver
- Creative design
- Innovative
- Service-focused
- Team Oriented

Languages

English
Hindi

Experience

10/2017 to Present

SDET – Infosys Limited, Jaipur

- **3.6** Years of Experience in **QA**
- Responsible for Test Strategy, Test Case Preparation, Test Execution, Defect Logging and Tracking, Manual and Automation Testing.
- Worked in onsite offshore delivery model.
- Managed offshore delivery.
- Responding quickly to client requirements.
- Provided technical guidance and solutions to peer technical teams.

Academic Qualification

- Bachelor of Technology : **Electrical Engineering** -2017 **Rajasthan Technical University**, Kota.(**72 %**)
- Senior Secondary(10+2) : **PCM** – 2013 **CBSE**, Delhi.(**88 %**)
- Secondary(10) – **CBSE**, Delhi.(**CGPA – 9.6**)

Certifications

Python for Data Science and AI - Sep 2019 **Coursera**
Databases and SQL for Data Science - Sep 2019 **Coursera**
Data Analysis with Python - Sep 2019 **Coursera**
Selenium Python Automation Testing - June 2020 **Coursera**
Automation Specialist Level 2 – June 2020 **Tricentis**

Technical Skills

- **Tools and Technologies : Azure Data Factory**, Informatica, **Selenium Web Driver**, **pytest**, **TestNG**, unittest, **Jira**, HP ALM, **MS SQL Server, Python**, **pandas**, Data Frame, C, C++, GIT, Jenkins, **SOAPUI**, **Postman**, Snowflake, Netezza, S3, Blob, **Big Data**, **Hadoop, Hive, Data Warehousing**, **ETL**, Unix Shell Scripting.
- **Databases :** IBM DB2, Azure SQL DB, Oracle DB, AWS Redshift.

POC

Project: Snowflake Migration

Client Name	Recreational Equipment, Inc., USA
Role	QA
Technologies/Tools	Python, ETL, Snowflake, Netezza
Duration	Mar 2018 – Jan 2019

Description:

REI was decommissioning its on premise IBM DB2 relational database and was moving to AWS Cloud DB. All existing data is being migrated as part of backfill and delta data or current data is migrated as part of ongoing code. Scope of this project includes validation of dimension and facts tables backfill and ongoing data between IBM DB2 and AWS Cloud DB. Some of the Dimension tables were too small and since minus query option was not available for ETL validation as different DBs were involved, have to proceed with manual File vs File validation. To reduce this manual testing effort created a Command Line Python utility for ETL validation.

Features:

- Can perform **File vs File**, **File vs DB** and **DB vs DB** validation.
- Performs **Count, Duplicates, Metadata, Constraints** and **Data** Validation.
- Can connect to a wide range of Database servers including **MS SQL Server, Netezza, Snowflake, Postgre SQL, Oracle, Hive.**
- It performs validation by storing data in **Pandas Data Frames**. So it eliminates the creation of dummy table in case of File vs DB and DB vs DB validation(in case both DB are different).
- Can read queries from files stored in local folder.
- Generates for **individual validation** reports for Count, Duplicate, Metadata, Constraint and Data Validation.
- Generates **Summary report** for every individual validation during a test suite run.
- Generates **History Report** for a Test Suite.
- Send Summary Report generated to QA team in form of **Email attachments**.

Projects

Project: SAP Automation

Client Name	Starbucks Corp., US
Role	SDET
Team Size	3

Duration	Nov 2019 - Present

Description:

      End to End automation of SAP HCM module SuccessFactors. Scope of this project includes automation scripts preparation for SuccessFactors and automation scripts preparation for data validation of SuccessFactors data with SAP. It includes automating the data insertion process in SAP module using selenium and data validation using the python pandas data frame.

Responsibilities:

- Reviewed and Analyzed Business Requirements, Functional Requirements and prepared Test Plan.
- Design and Implementation of the strategy and framework for automation.
- Automated test cases using **Selenium Web Driver, pytest framework, Python**.
- Integrating the Automation framework with **Zephyr** through **ZAPI**.
- Setup and Configure **Jenkins** to integrate with new testing framework.
- Designed and Developed reusable components to integrate test data and its execution.
- Followed Agile methodology, participated in daily scrum calls.

Project: Icount Web Application

Client Name	Infosys Limited, India
Role	QA
Team Size	5
Duration	Feb 2019 - Oct 2019

Description:

      Icount is a web application internal to Infosys for performance appraisals. Scope of this project includes creation of regression scripts for verifying different process like goal setting, ratings, appreciations etc. while logging as employee, manager and reviewer.

Responsibilities:

- Designed and Developed reusable components to integrate test data and its execution.
- Automated test cases for regression using Selenium **Web Driver, TESTNG framework, Java.**
- Integration of different modules of the application.
- Co-ordination with functional and technical teams for scope of testing.

Project: Snowflake Migration

Client Name	Recreational Equipment, Inc., USA
Role	QA
Team Size	3
Duration	Mar 2018- Jan 2019

Description:

REI was decommissioning its on premise IBM DB2 relational database and was moving to AWS Cloud DB. All existing data is being migrated as part of backfill and delta data or current data is migrated as part of ongoing code. Scope of this project includes validation of dimension and facts tables backfill and ongoing data between IBM DB2 and AWS Cloud DB.

Responsibilities:

- Reviewed and Analyzed Business Requirements, Functional Requirements and prepared Test Plan.
- Performed **file vs file, file vs DB and DB vs DB** validation.
- Interact with dev team to identify gaps between requirement and deployment.
- Collaborate with dev team for setup of test data based on business requirement.
- Followed Agile methodology, participated in daily scrum calls.
- Prepared Test Scenarios and Test Cases and executed the same in JIRA.
- Defect logging and tracking in **JIRA.**
- Prerequisites setup for ongoing and backfill Job run using **WinSCP, S3, Tidal, Informatica Power Centre.**
- Complex Query Writing for Data validation in **Snowflake**.

Areas of Expertise

- Automation testing using **Selenium Web Driver, TestNG, pytest and Jenkins** for web applications.
- Automation testing using **Python for Data Warehouses**.
- Manual ETL testing including **File vs File** comparison, **File vs DB** comparison and **DB vs DB** comparison.
- Complex **SQL Query** writing for Data Warehouse testing.
- Experience with different types of Databases both on premise and on cloud including **IBM DB2, AWS Redshift, Azure SQL DB, MS SQL Server DB**.
- Experience in both **Agile** and **Waterfall** methodologies.
- Experience in different test management tools like **JIRA** and **HP ALM**
- Command over **Python** programming language and **OOPS** concepts and basic knowledge of other programming languages including **C, C++**.
- Experience in Data Workflows, Pipelines, Triggers creation in **Azure Data Factory**.
- Azure SQL DB, Azure DWH, Blob creation.