

VIJAY KUMAR 

Software Engineer seeking roles in Software Engineering, Software Development, Application Development, Project Management, Change Management, Agile Development, Solution Design, Business Analysis, Process Analysis, SQL Server, Python, JIRA, VBA, RPA

Current Designation: Software Engineer RPA

Total Experience: 4 Year(s) 0 Month(s)

Current Company: Wipro Limited

Notice Period: 2 Months

Current Location: Bengaluru / Bangalore

Highest Degree: B.Tech/B.E.

Pref. Location: Bengaluru / Bangalore, Chennai, Hyderabad

[Electronics/Telecommunication]

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Key Skills: Software Engineer/Developer, Software Engineering, Software Development, Application Development, Project Management, Change Management, Agile Development, Solution Design, Business Analysis, Process Analysis, SQL Server, Python, JIRA, VBA, RPA

Verified : Phone Number | Email - id

Last Active: 19-Jan-21

Last Modified: 19-Jan-21

Summary

A multi-skilled profile with all-round technical expertise. Competent professional with 4 years of software development experience

Experience in delivering projects through Robotics Process Automation - Blue Prism and Automation Anywhere.

Skilled at Developing Automation and Intergration scripts using Python.

Extensive experience of working in an Agile development environment. Used SCRUM methodology for agile development and JIRA for tracking and reporting

Insightful knowledge of various Service Delivery functions like Incident Management, Problem Management, Configuration Management, Release Management, and Change Management.

Work Experience

Wipro Limited as Software Engineer RPA
Apr 2019 to Till Date

Responsibilities:

Studying Process Design Document (PDD), planning and designing To-Be process of the Bot.

Drafting all the process documents such as Solution Design Document (SDD), Test cases and Blue Prism documents like ODI, PDI, ORB.

Developing automation bots with great efficiency, following Blue prism and industrial coding standards and practices.

Interacting with client and other stakeholders on calls.

Solving discrepancies/issues raised during the UAT and Hypercare phase.

1. Project: Transformer Materials Procurement Domain: Procurement Technology - Blue Prism

Other Technologies: MS access SQL, VB.net, MS Excel

Role: Solution Designer, Developer & Tester Team Size: 1

Description:

The process involved logging in and downloading Purchase Order (PO) report from SAP application at scheduled time.

This report has several Purchase orders, and each Purchase order has list of materials. Further two more mapping reports namely 'Material Management Report' and 'Vendor Email Report' are downloaded. These mapping reports are used to update Drawing numbers and Vendor Email addresses in the PO report. For the materials having valid Drawing Numbers, drawing files has to be downloaded from the external shared drive. All the PO's having at least one valid Drawing Number should be sent to the respective vendors with the Drawing Files attached.

Challenge faced:

The external shared drive's server containing the drawing files is located in China, whereas the Blue Prism server is located in Europe. The drawing file needs to be picked from one of the folder in the shared drive. The exact file path of the drawing file is not known, since the filepaths is not maintained. Hence drawing file has to be searched through 1000s of files and folders. Due to high latency between the servers, indexing through these files and folders consumes lot of time, which in turn significantly reduce bot performance.

Ideas Implemented:

An indexing bot was created to overcome the above challenge. This indexing bot would index through all the files in the given folder, and save the filename and filepaths of all the drawing files in an excel workbook. Once the indexing bot is completed, the main bot would run. To copy each drawing file, main bot would get the filepath from the index workbook and by using this filepath bot would directly copy the file. This reduced the bot execution time from 10 hrs to 2hrs by avoiding search operation for each line items

The indexing bot was enhanced to index the files in the folders that are modified later than last indexed date. This further reduced the bot execution time from 2hrs to 45mins.

Solution design enhancement: Instead of downloading Vendor Email report for each Vendor Code in the PO report, Bot would download one consolidated report from SAP, with all the Vendor Codes present. To extract Vendor email of a particular vendor, from the consolidated Vendor Report, SQL query (with required filters) was used. This reduced the bot execution time from 4hrs to 5mins.

Custom Excel VBO was created using VB.net, which included actions like Remove Duplicates, Multilevel Sort, Change Format, Set Excel Formula, Save Workbook with Required Format. Since the bot processed the excel by calling excel's API, spying and keystroke operations were avoided and bot processing was more robust and efficient.

2. Project: Extraction, Processing and Posting of Report Domain: Finance Technology - Blue Prism

Other Technologies: MS access SQL, VB.net, HTML

Role: Solution Designer, Developer & Tester Team Size: 1

Description:

This process involved 3 scripts namely FDM, OCF and HFM:

FDM script is used to download the report from SAP ABAP, process it and to create FDM CSV file.

OCF script is used to download report from SAP NetWeaver Web application, process it and to create OCF CSV file.

HFM script is used to upload the generated FDM or OCF CSV file in Oracle Web Portal.

Virtusa Consulting Pvt Ltd as Engineer RPA

Nov 2016 to Mar 2019

1. Project: Inward Payment Processing Domain: Banking Technology - Automation Anywhere

Role: Developer Team Size: 2

Description:

The process involved logging in and downloading data dump from a desktop application at scheduled intervals of time. The downloaded data was formatted using complex formatting logic based on a set of validation rules. Data was extracted from several sources, transformed based on a set of pre-defined logic and loaded across different files for downstream processing.

Responsibilities:

Identifying gaps in Automation Requirement Document (ARD). Discussing issues and queries related to the requirements.

Interacting with client and daily status calls with stakeholders.

Develop easy to use Metabots for functionalities like application login, error logging, managing emails and frequently used user interface operations

Solving issues concerns/issues raised during the UAT and Production Verification Test (PVT) phase.

Challenges faced:

Understanding the complex process flow and implementing the same in Robot.

Requirement gap in ARD was solved by decoding the Excel Macro logic. Then employing this logic in Automation

Anywhere with the help of SQL Database operations. Several complex queries were used to process the data.

Issue in Excel copy operation: The Automation Anywhere doesn't wait for the copy operation to be completed. Introducing static delay did not solve this issue. So a logic was built which will provide dynamic delay.

Ideas Implemented:

Using Excel as Database for performing various operations.

AA Logic to compute last and next working day, by checking up previous and following weekend and holidays.

Copying the data instantly from one Excel file to another, without opening either of the file.

Worked on integrating Automation Anywhere with Microsoft Office - Outlook client for sending emails. The metabot solution utilized Microsoft office Interop .Net library. Additionally, designed metabot had the ability to read a configuration file, log the required information, use retry logic, if necessary

Re-used a metabot for logging robot activities. The log produced by robot had details of start & end time, current step, success and failure messages.

2. Project: Trade Process Domain: Banking Technology - Automation Anywhere platform

Role: Developer Team Size: 4

Description:
The scope of the process is to improve Trade process lifecycle that currently has several time consuming manual steps. Developed a re-usable component for sending standard template emails to clients. The solution leveraged on a complex database design in which parameters for numerous countries were customized

Responsibilities:
Involved in automating web application:
Login to the web application and navigating through various screens.
Input the parameters in the application through config file, download and save the file in appropriate location.

Challenges faced:
Objects in the application were not properly defined. Had to configure the object properties to clone a objects uniquely. Object cloning were inconsistent and hence bot failed occasionally. Made proper workarounds to solve the issue.
Ideas Implemented:
The solution component has high amount of re-usable logic which increased code maintainability and performance.

Education

UG: B.Tech/B.E. (Electronics/Telecommunication) from Visveswaraiah Technological University (VTU) in 2016

IT Skills

Skill Name	Version	Last Used	Experience
VB.net, C#, VBA, Python			
MS SQL Server , BluePrism			
Ms Access SQL			

Languages Known

Language	Proficiency	Read	Write	Speak
English				
Hindi				
Tamil				
Kannada				

Affirmative Action

Physically Challenged: No

Work Authorization

Job Type: Permanent / Temporary
Employment Status: Full Time, Part Time