SAI RISHWANTH REDDY KATHAM

RPA Developer | Process Automation Expert

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Summary

RPA Developer with experience in building end-to-end automations across front and back office processes in web and Windows environments. I specialize in designing and implementing enterprise automation solutions that streamline document processing, data extraction and robust email/PDF ingestion, OCR and data-transfer workflows to eliminate manual steps and improve operational control. I design processes from the ground up, develop resilient bots in UiPath, production monitoring, and continuous improvement. Throughout the development lifecycle, I collaborate closely with business stakeholders and testing teams.

Experience

RPA Developer, *Barclays*   10/2023 – Present
                                                      Jersey City, United
                                                      States

- Reviewed PDD/SDD documentation to understand business processes, technical design, exception handling, and workflow architecture prior to UiPath development.
- Executed the full UiPath RPA lifecycle, including requirement gathering, development, deployment through UiPath Orchestrator, and hypercare.
- Implemented UiPath Invoke Workflow File and Invoke Code to build reusable components and standardize automation logic across multiple processes.
- Developed UiPath UI and Web automations using selectors, anchors, wildcards, and Check App State to handle dynamic application behavior.
- Automated Excel workflows, including Read/Write Range, DataTables, row manipulation, and timestamped logging for accurate end-to-end processing.
- Applied UiPath REFramework to build scalable, transaction-based automations with clear state transitions (Init, Get Transaction, Process Transaction, End Process).
- Designed structured Try–Catch–Finally logic in UiPath with detailed logging, screenshots, and BusinessRuleException handling for effective error tracking.
- Managed file and folder automation in UiPath, including directory validation, rule-based file organization, and hyperlink generation.
- Streamlined Microsoft 365 automation to process Outlook emails, handle attachments, and update Word documents efficiently.
- Built UiPath workflows using control flow activities (If, Switch, For Each, While, Do While) along with variables and arguments for modular design.
- Extracted and validated data from dynamic web pages using UiPath selectors, scraping techniques, and regex-based string manipulation.
- Utilized UiPath Orchestrator Queues to process transactional data, monitor bot execution, and manage attended and unattended UiPath jobs.
- Configured UiPath Orchestrator assets, triggers, and schedules to control automation execution across environments.
- Integrated REST and SOAP APIs in UiPath using HTTP Request activities to send/receive data, handle authentication, and parse JSON/XML responses.
- Worked with Document Understanding to extract data from PDFs using OCR and validation steps, with support via Action Center.
- Implemented logging, notifications, and reporting mechanisms to ensure workflow visibility, stability, and business continuity.

- Worked with UiPath Agents and agent tools, passing execution context (inputs, state, and business rules) to enable context-aware decision-making within automation workflows.

RPA Developer, *Travelers*   06/2022 – 07/2023
                                                                                         Hyderābād, India
- Developed UiPath workflows using variables, arguments, loops, conditionals, and control flows following structured automation and UiPath best practices.
- Built robust UiPath web data extraction solutions leveraging selectors, OCR, screen-based automation, and DOM scraping techniques.
- Implemented UiPath Excel and DataTable logic, DateTime functions, and string manipulation (regex, substring, split, replace) for efficient data transformation.
- Utilized PDD (Process Design Document) and SDD (Solution Design Document) to review business processes and UiPath technical architecture.
- Executed the full UiPath RPA lifecycle, including requirement gathering, development, QA/UAT support, deployment via UiPath Orchestrator, and hypercare.
- Automated Microsoft 365 and email workflows, handling Outlook messages, filtering emails, and processing attachments.
- Configured UiPath Orchestrator triggers, jobs, assets, and Queues, and monitored attended and unattended UiPath processes for reliability.
- Applied UiPath REFramework to develop scalable, transaction-based automations using Queues and clear state transitions.
- Implemented structured exception handling using Try–Catch–Finally, detailed logging, and screenshot capture for effective error tracking.
- Optimized UiPath automation performance and maintainability through reusable components, Invoke Workflow File, and standardized logic.
- Developed dynamic selectors and anchor-based automation to handle changing UI elements and improve workflow stability.
- Used Document Understanding with OCR and validation steps, incorporating Action Center for processing when required.

Skills

RPA Tools & Automation
UiPath Studio · UiPath Assistant · UiPath Orchestrator · REFramework

Data Handling & Processing
Excel Automation (Read/Write Range, Formulas) · DataTables (Filter, Merge, Sort, Add/Delete Rows) · CSV/PDF Automation · Word Automation · Microsoft 365 Integrations

Exception Handling & Logging
Try/Catch/Finally. Retry Scopes. Screenshots for Validation & Troubleshooting

Selectors & Workflow Design
Dynamic Selectors · Wildcards · Anchor Base · UI Explorer · Variables & Arguments · Control Flows (If, Switch, Loops) · State Handling · Flowcharts · Modular Workflow Design

Programming & Logic
C#(Invoke Code) · Regular Expressions · String Manipulation (Split, Replace, Substring) · DateTime Expressions

RPA Documentation & Lifecycle
PDD (Process Design Document) · SDD (Solution Design Document) · SDLC & End-to-End RPA Lifecycle

Education

Masters in Data Science, *University of Massachusetts Dartmouth*   09/2023 – 05/2025
North Dartmouth, USA

Bachelors in Electronics and Communication Engineering,   07/2018 – 05/2022
Amrita School of Engineering   Banglore, India