Melvin Esteban Ramos Alvarez

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Education

Universidad Mariano Gálvez — Guatemala City, GT
Bachelor's in Systems Engineering (7th semester) — Expected 2027

Experience

RPA Developer Junior – Internship — Aug 2025 – Feb 2026
Kairum Analytics — Guatemala City, GT

- **Refactored and optimized 5+ REFramework-based bots** across order processing, contract validation, Complex ETL workflow, and data integration workflows.
- Implemented data extraction logic from XML and PDF documents using document understanding, regular expressions and data validation techniques.
- Developed duplicate detection algorithms to prevent redundant orders while identifying similar items requiring additional configurations.
- Integrated automation workflows with SAP and internal enterprise systems, handling dynamic UI elements through advanced selector strategies (Wildcards, Dynamic Selectors).
- Resolved critical application state issues using `Check App State` activities and retry logic for Java-based applications.
- Automated email-based workflows with SharedMailbox integration, processing vendor orders and contract validations with email notifications.
- Created technical documentation supporting bot maintenance and knowledge transfer.
- Participated in kickoff meetings, requirements gathering, solution design, and proof-of-concept (POC) testing for various clients.
- Participated in sprint meetings and code reviews using the Agile Scrum methodology.

Technical Support Specialist — Nov 2024 – Aug 2025
Telus International (Monday.com) — Guatemala City, GT

- Provided technical support for Monday.com platform, troubleshooting complex workflow issues.
- **Demonstrated rapid self-learning capabilities** by mastering platform expertise strictly through documentation and hands-on exploration.
- Identified and reported software bugs, collaborating with the engineering team on resolution.
- Designed workarounds and solutions for client workflow challenges, improving user satisfaction.

Projects

Voucher Order Automation | *UiPath, REFramework, SQL, Document Understanding*

- Designed and implemented an end-to-end RPA solution to process voucher orders received by email.
- Automated email ingestion, attachment handling, and validation of incoming sales orders.
- Extracted structured order data from PDF documents using OCR and UiPath Document Understanding.
- Implemented conditional workflows to validate voucher types and handle alternative business paths.
- Integrated SQL Server queries to check availability, reserve vouchers, and update assignment status.
- Generated dynamic voucher documents (Word to PDF) and sent automated confirmation emails to clients.

Data Processing and Reporting Automation | *UiPath, Excel*

- Developed functional automations to process, consolidate, and transform structured data from Excel files.
- Implemented DataTable-based logic to calculate metrics, costs, and aggregated statistics efficiently.
- Automated data consolidation across multiple sources into unified reporting outputs.
- Applied reusable logic patterns for loops, validations, and file system operations.

Technical Skills

- **RPA & Automation:** UiPath Studio, Orchestrator (Assets, Jobs, Queues), REFramework, Unattended Robots, Error Handling, Logging & Debugging.
- **Languages:** VB.NET (UiPath expressions), SQL (Foundational).
- **Data Structures:** DataTables, Dictionaries, Lists, Arrays.
- **Tools:** Git, SQL Server, Visual Studio Code.
- **Competencies: Self-learning & Rapid Technical Adoption**, Problem-solving, Technical Documentation.
- **Languages:** Spanish (Native), English (Professional Working Proficiency).

References

Josue Marroquin | *RPA Build Manager* — +502 5930 4156