

# Ron Matthew Requero Rivera

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## Experience

QA Consultants | North York, Ontario

Software Development Engineer in Test (Full-time)

Key Contributions

March 2023–October 2025

- Contributed extensively to test automation for a large-scale **Guidewire PolicyCenter, BillingCenter, and ClaimCenter migration/upgrade project**, working in a small **2–3 person team** (eventually as the **sole UI automation engineer**) and developing most of the automated test cases assigned throughout the project. Enhanced framework logic using **C#, reflection, and property matching** to support dynamic data-driven execution.
- Designed and implemented an **abstracted multi-dataset loader** using **reflection-based mapping**, complementing the framework’s existing data-loading mechanism and improving scalability and maintainability.
- Enhanced existing **element interaction utilities** within the automation framework by adding functionality for **table element and selector handling**, improving test stability and reusability across modules.
- Investigated automation failures, debugged test scripts, and reported defects in coordination with developers and QA peers to maintain suite reliability and code quality.
- Built a **Cypress + GT Framework proof of concept** to compare its **selector-handling efficiency** against the manual selector implementation used in legacy automation suites for **Guidewire applications**.
- Validated migration accuracy by analyzing **query results and data reports** from legacy and modern environments.
- Contributed to **CI/CD readiness** by aligning test automation with pipeline execution and ensuring stability for automated runs.

ViscoTech International Industries | Brampton Hills, Ontario

Web Developer (Contract)

November 2022–January 2023

- Developed and launched a high-performing website, resulting in a significant improvement in loading time of over 67% compared to the previous website.
- Implemented a responsive design using ReactJS and TailwindCSS to ensure optimal user experience across all devices.
- Built Website achieved outstanding performance scores, including a 99/100 in performance, 92/100 in Best Practices, and 91/100 in SEO as tested on PageSpeed Insights.
- Solely developed the website from design to development and continuously maintain it to ensure optimal functionality and user satisfaction.

Helix Software | Mandaluyong City, Philippines

Web Developer Intern

August 2021 – September 2021

- Led a team of interns as an intern tech lead in the design and development of a lottery webapp with a backend server from scratch, resulting in a well-organized and efficient system that was completed within 3 weeks.
- Architected the backend and the whole web application's architecture, and developed 90% of the backend, including APIs used for the frontend. This reduced the development time by 30%.
- Delivered a fully functional and high-quality web application to the company within the given time frame, with 95% bug-free.

## Education

Polytechnic University of the Philippines | Manila, Philippines

Bachelor of Science in Computer Science

June 2018 – August 2022

Graduated, October 2022

## Projects

Matrix Path

Undergraduate Thesis

A group-based thesis where we figure out how procedurally generated puzzles can have difficulty certainties. While generating a balance puzzle for the player.

- Devised and integrated algorithms such as Wave Function Collapse Algorithm and fuzzy logic to the game, solving the uncertainties and difficulties of procedural generated puzzle games with an accuracy of 90%.
- Pioneered the integration of advanced algorithms into the game, resulting in a more varied and challenging level experience that received high praise from players. The testers rated the game an average of 4 out of 5 stars, with comments such as "excellent" and "very fun to play."

- Utilized the game as a tool to answer the research questions of the thesis, providing insight into the effectiveness of these algorithms in puzzle game design and supported by the 90% accuracy of the tool.

**Personal website using .Net Core and ReactJS**

- Developed and designed a personal website to showcase personal projects online, utilizing ReactJS for the frontend and ASP.Net Core for the backend.
- Hosted the website on Microsoft Azure, providing a reliable and secure platform for visitors to access the website.
- Utilized the website as a platform to demonstrate personal skills and portfolio, resulting in increased visibility and opportunities for professional growth.

**Technical Skills**

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**Languages & Frameworks:** C#, .NET, Java, Selenium, Cypress, React, SQL

**Tools & Platforms:** Visual Studio, VS Code, GitHub, Jenkins, Azure DevOps, Jira

**Practices:** Software Development, Test Automation, Framework Enhancement, CI/CD, Regression Testing, Agile Scrum