

JOHN RUSSELL A. CARAGAY

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EDUCATION

Technological Institute of the Philippines – Manila
B.S. Computer Engineering (GWA: 1.28)

June 2019 – September 2023

Cum Laude Graduate | Top 2 Overall Computer Engineering Department | Best in Software Development | Best in Data Science

WORK EXPERIENCE

Junior Quality Assurance Engineer (*Exemplary Attendance Awardee*)
YNS Philippines Inc. (Makati City)

March 2024 – Present

- Initiated the implementation of **automation testing** using **Selenium with Python**.
- Designed and developed a **custom test automation framework** from scratch using **Pytest and Robot Framework**, ensuring scalability and maintainability.
- Actively involved in **test planning, test case creation, and peer reviews** to ensure test quality.
- Experienced in **Agile methodologies** and participated in **Scrum ceremonies** to ensure seamless development and testing cycles.
- Assisted in refining software specifications by providing valuable input and clarifications to developers and stakeholders.
- Executed and led diverse **testing methodologies**, including **unit testing, API testing (Postman), regression testing, integration testing, functional testing, security testing, and smoke testing**.
- Managed **ticketing systems** for tracking test progress, defect life cycle, and project documentation.
- Coordinated with cross-functional teams to ensure **quality assurance best practices** were embedded throughout the software development lifecycle.
- Conducted **security testing** on applications, identifying vulnerabilities such as **Cross-Site Scripting (XSS)** and ensuring adherence to security best practices.
- Conducted training sessions for new QA team members to facilitate seamless onboarding and deployment.
- Collaborated closely with **Japanese bridge software engineers** to evaluate the impact of new specifications and feature updates.
- Performed **requirement analysis** and contributed to impact assessments to enhance test planning strategies.
- Investigated and provided actionable insights on reported **bugs, feature implementations, and database schemas**.
- Assisted developers and QA teams with **requirement clarifications** and project specification inquiries.
- Recommended and implemented **testing process improvements**, increasing test coverage and efficiency.
- Led **ticket management activities**, providing detailed documentation of project specifications and issue tracking.
- Created and managed **test data, analyzed database schemas**, and optimized seeders for production releases.
- Conducted knowledge-sharing sessions on **test data management and automation best practices**.

Associate Quality Assurance Engineer (*Rising Star Awardee*)
YNS Philippines Inc. (Makati City)

September 2023 – March 2024

- Recognized as a "**Rising Star**" for **exceptional performance and rapid professional growth**.
- **Designed, created, and executed unit test cases**, ensuring software quality at an early development stage.
- Proposed and validated **additional input parameters** to enhance test coverage and system validation.
- **Managed and maintained** test documentation, ensuring comprehensive records of test cases, execution reports, and defect tracking.
- Actively participated in **manual testing, exploratory testing, and edge case validation** to enhance software robustness.
- Gained basic knowledge in performance testing using **JMeter**, ensuring application stability under high loads.

IT Support Specialist – Intern
LizardBear Tasking Inc. (Imus City)

February 2023 – April 2023

- Created **IT Support Specialist manual** for new interns.
- **Collaborated** with co-interns in diagnosing and troubleshooting software and hardware problems.
- Installed hardware and software components for company compliance.

SKILLS

- Unit Testing
- Regression Testing
- Integration Testing
- Security Testing
- Functional Testing
- Smoke Testing
- API Testing
- Performance testing
- Selenium with Python
- SQL
- Pytest
- Robot Framework
- Git
- Jmeter
- Katalon
- Postman
- OWASP ZAP
- Cross Site Scripting (XSS)
- System Analysis
- Project Management
- Technical Documentation
- Ticket Management
- Impact Analysis

ONLINE CERTIFICATIONS

- Udemy - Selenium WebDriver with Python from Scratch + Frameworks
- Robot Framework with Python- Selenium/API Automation Testing
- Solo Learn – SQL Intermediate.
- Solo Learn – Introduction to SQL.
- Solo Learn - CSS Course.
- Solo Learn - HTML Course.
- Solo Learn - Python Core.
- Solo Learn - JavaScript.
- Solo Learn – Responsive Web Design.
- FreeCodeCamp – Responsive Web Design

PROJECTS / THESIS COMPLETED

QA Engineer Lead

Relief Facility Invoice Management System

February 2025 – Present

- Led QA backend team in API testing using Postman.
- Managed QA Processes and project deliverables.
- Executed and led diverse testing methodologies, including unit testing, regression testing, integration testing, functional testing, security testing, and smoke testing.

Sub QA Engineer Lead

Vehicle CO2 Emission System

January 2025 – February 2025

- Initiated the implementation of automation testing using Selenium with Python.
- Designed and developed a custom test automation framework from scratch using Pytest and Robot Framework, ensuring scalability and maintainability.

Sub QA Engineer Lead

Garbage Collection Management System

October 2023 – January 2025

- Assisted in refining software specifications by providing valuable input and clarifications to developers and stakeholders.
- Executed and led diverse testing methodologies, including unit testing, API testing (Postman), regression testing, integration testing, functional testing, security testing, and smoke testing.
- Managed ticketing systems for tracking test progress, defect life cycle, and project documentation.
- Coordinated with cross-functional teams to ensure quality assurance best practices were embedded throughout the software development lifecycle.

Project Manager & System Analyst

HawkAI: Automated Car Accident Monitoring and Alarm System using Real Time CCTV Footage and Deep Learning

August 2022 – May 2023

- Led and coordinated the overall development of software and hardware projects, ensuring successful project delivery.
- Managed task distribution, schedules, and project organization, resulting in a streamlined development process.
- Made detailed, complete, and well-organized test plans, test cases, and manual script.
- Facilitated project development cycle following the Waterfall Model.
- Organized and conducted client meetings to align project functionality with client requests and project objectives.
- Analyzed and recommended improvements to enhance system performance and user experience.

Project Manager & System Analyst*January 2021 – May 2022***Online Reservation System: Supremo Barber (2021)**

- Assisted in overall development of the project (Software and Documentation).
- Managed tasks distribution, schedule, and organization.
- Made detailed, complete, and well-organized test plans, test cases, and manual scripts.
- Facilitated project development cycle (V - Model).
- Continuously analyzed, and reviewed project's functionality with the client requests, and project objectives.
- Analyzed and examined possible improvements of the system.
- Ensured project's requirements submission on time.