

# John Ric C. Merque

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## SKILLS & TOOLS

**QA:** Test Automation, Test Case Design, SDLC, STLC, Agile Methodology, Defect Management  
**Software Testing:** Manual Testing, Automation Testing, Exploratory Testing, Regression Testing, Smoke Testing, API Testing  
**Automation:** Playwright, Puppeteer, Selenium, Requests, Robot Framework, Appium

**API Testing:** Postman  
**Programming Languages:** JavaScript, Python, PHP  
**Web Technologies:** HTML, CSS, JavaScript  
**Data and Database:** SQL, MySQL, Firebase Firestore  
**Version Control:** GitHub  
**Other Tools:** Figma, Testiny, Trello, Notion

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## WORK EXPERIENCE

### Software Quality Assurance Engineer | Internship | *Wizy Software Labs, Inc.*

August 2023 – October 2023

- Conducted Exploratory, Regression, Smoke, Manual, and Automation Testing for Mobile and Web Applications, utilizing *Appium* for mobile test automation and *Katalon Studio* for web testing.
- Collaborated with a team in an agile development environment, ensuring continuous improvements, discovering, documenting and reporting bugs to enhance software quality.
- Reduced regression testing time from **2 weeks to 1 week**, accelerating release cycles and improving efficiency.

### Data Integrity Analyst | Internship | *30k*

August 2024 – October 2024

- Performed data mining processes for global airlines while ensuring data integrity and structured large-scale data to integrate into the company's flight API.
- Built 2 web scraping automation tools using Python (Requests, Selenium) and JavaScript (Puppeteer), cutting processing time from **2–3 months to ~2 weeks**, improving efficiency and delivery speed.

## EDUCATION

### Bachelor of Science in Computer Engineering | *Polytechnic University of the Philippines*

2021-2025

- Graduated **Magna Cum Laude** with the highest overall GPA (**Rank 1**) in the Computer Engineering department for the 2025 graduating batch
- President's Lister for all completed semesters
- Recipient of the LC Foundation Inc. Scholarship

## PROJECTS

### Frequent Flyer Miles Web Scraping Automation Tool | [GitHub](#)

- Developed a Python-based automation tool to programmatically extract mileage data from a commercial airline's public-facing endpoints.
- Optimized data collection using the Requests library, handling 500,000+ rows of data in under 2 weeks, cutting a 2–3 month manual process, boosting operational efficiency.

### Playwright Automated Test Suite for OrangeHRM | [GitHub](#)

- Built an automated test suite for the OrangeHRM web application using Playwright.
- Designed and executed test cases covering functional workflows, UI validation, and responsive layouts.

### SnapTrash: AI-Powered Citizen-Driven Urban Waste Management App | [GitHub](#)

- Won “Most Creative App” Award at AppCon 2024 (178 teams nationwide), recognizing innovation in AI-powered waste management.
- Built with Flutter, Firebase, Roboflow, YOLOv8, and MapBox, enabling citizens to report urban waste via image capture and AI-based classification.
- Collaborated with a team as the Backend Developer responsible for user authentication, designing and managing the cloud-based database, and integrating APIs to connect the mobile application with the AI model.

## CERTIFICATIONS

- Udemy's ISTQB Certified Test Automation Engineer CTAL-TAE V2 Course Completion [View](#) | FreeCodeCamp's JavaScript Algorithms and Data Structures [View](#) | FreeCodeCamp's Responsive Web Design [View](#) | DataCamp's Associate Data Engineer in SQL Course Completion [View](#)

## ORGANIZATIONS

- Google Developer Groups on Campus PUP (GDG PUP) | Web Development Cadet | SY. 2024-2025
- Institute of Computer Engineers of the Philippines - Student Edition (ICpEP.SE) - PUP Manila | Member | SY. 2024-2025