

MARK GABRIEL R. VILLANUEVA

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Portfolio Website: mark-ga-portfolio.vercel.app

SUMMARY

Software QA Engineer with 1+ year of professional experience in manual and automation testing. Strong in test case design, test data creation, defect identification, communication, and ensuring high-quality software delivery.

SKILLS

Unit Testing	Performance Testing	Python	UI/UX Design
Regression Testing	Accessibility Testing	Java	JMeter
Acceptance Testing	Robot Framework	JavaScript	OWASP ZAP
Security Testing	Cypress	SQL	System Analysis
Functional Testing	Selenium	Git	Ticket Management
Smoke Testing	Katalon	Postman	Technical Documentation
API Testing	Jenkins	Jira	Impact Analysis

PROFESSIONAL EXPERIENCE

Junior Quality Assurance Engineer,
YNS Philippines Inc. (Makati City)

Sept 2024 - Present

- Performed **manual testing**, exploratory testing, validated edge cases, and **API testing** using Postman.
- Developed, maintained, and executed automated test scripts using **Robot Framework**.
- Created and **managed test data**, **analyzed database schemas**, and optimized seeders for production releases.
- Performed **requirement analysis** and contributed to impact assessments to enhance test planning strategies.
- Conducted application **security testing**, uncovering vulnerabilities like DevTools tampering, Cross-Site Scripting (XSS), and enforced security best practices.
- Experienced in **Agile/Scrum**, actively engaged in ceremonies to align testing with development.
- Collaborated with developers, stakeholders, and **Japanese Bridge Software Engineers** to refine specifications and assess feature impacts.
- Defined test objectives**, strategies, and plans to enhance coverage and efficiency.
- Investigated bugs, **validated feature implementations**, documented defects, and provided actionable insights.
- Recommended and **implemented process improvements** to increase efficiency during sprint retrospectives.
- Handled **ticket management**, documentation, and issue tracking.
- Delivered a knowledge-sharing session on software testing fundamentals and **test data management**.
- Gained basic knowledge in performance testing using **JMeter**, ensuring application stability under high loads.
- Gained foundational knowledge of the **OWASP ZAP**, applying it to enhance security awareness and ensure quality in web applications.

QA & Web Developer Intern,
B&D IT Consultancy (Santa Maria, Bulacan)

Mar 2024 - July 2024

- Developed and tested an HRIS web application including modules for Employee Management, Timekeeping, Payroll, and User Access Control.
- Contributed to software development using PHP, Laravel, Filament, HTML, CSS, JavaScript, and MySQL.
- Created and executed manual test cases to validate application features and ensure quality before release.

SCHOOL PROJECT / CAPSTONE

Developer & UI Designer

Oct 2024 - Feb 2024

PUPSKED: A Web-Based Class Scheduling Application with Automated Conflict Detection for Polytechnic University of the Philippines - Santa Maria, Bulacan Campus

- Designed and developed a Class Scheduling application that digitizes schedule plotting for school administrators, reducing manual work and enabling quick generation of schedule documents for rooms, teachers, and students.

EDUCATION

B.S. Information Technology

Oct 2020 - Sep 2024

Polytechnic University of the Philippines - Santa Maria, Bulacan

- Magna Cum Laude
- Service (Leadership) Awardee
- Finalist in 3rd PUP Research Pitching Competition
- 2023 PUP Hackathon Participant

CERTIFICATIONS

- Introduction to Robot Framework - Applitools
- Robot Framework with Python- Selenium/API Automation Testing - Udemy
- User Experience (UX) Design – Coursera
- Google Data Analytics – Coursera
- Responsive Web Design - FreeCodeCamp