MARK GABRIEL R. VILLANUEVA

Email: villanuevamark455@gmail.com | **Mobile / Viber:** 09565733524
LinkedIn: linkedin.com/in/mark-gabriel-r-villanueva | **Website:** mark-qa-portfolio.vercel.app

SUMMARY

QA Engineer with 1 year of experience in manual and automation testing, skilled in test case design, defect identification, and effective communication. Currently expanding expertise in AI-powered testing tools to improve testing efficiency and accelerate release cycles.

PROFESSIONAL EXPERIENCE

Junior Quality Assurance Engineer,   Sep 2024 - Sep 2025 (1 year)
YNS Philippines Inc. (Makati City)

- Maintained test documentation and performed **manual, exploratory, and edge case testing** to ensure software quality.
- **Analyzed business requirements** and collaborated on impact analysis to strengthen test scope and deliver a **better user experience.**
- **Defined test objectives,** strategies, and plans to enhance coverage and efficiency.
- **Tracked and analyzed bugs,** ensured accurate feature implementation, maintained defect documentation, and offered actionable feedback.
- **Designed test cases and test data**, ensuring full coverage and alignment with requirements.
- Performed **API testing using Postman**, validating request/response payloads, status codes, and error handling.
- Developed, maintained, and executed automated test scripts using **Robot Framework**.
- 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.
- **Led sprint-end product review meetings** to validate alignment with business requirements and capture stakeholder feedback.
- Proposed and implemented **process enhancements** during sprint retrospectives to improve team efficiency.
- Handled **ticket management**, documentation, and issue tracking.
- Delivered a **knowledge-sharing session** on software testing fundamentals

Associate Quality Assurance Engineer

- Primarily focused on functional testing, test case creation, test data management, and bug reporting.
- Gained basic proficiency in **JMeter** for performance testing to ensure system reliability under high traffic.
- Gained basic knowledge of **OWASP ZAP**, applying it to enhance security awareness and ensure quality in web applications.
- Acquired hands-on experience in cross-browser and cross-device testing using **BrowserStack**.
- Built a foundational understanding of **common security vulnerabilities** such as Cross-Site Scripting (XSS), Boundary Checking, Cross-Site Request Forgery (CSRF), Data Injection, URL Manipulation, and Web Parameter Tampering

QA & Web Developer Intern,   **Apr 2024 - July 2024 (3 Months)**
B&D IT Consultancy (Santa Maria, Bulacan)

- 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.

PROJECTS & THESIS

Developer & UI Designer
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

SKILLS

Unit Testing	Performance Testing	JavaScript	TestRail
Regression Testing	Accessibility Testing	Python	JMeter
Acceptance Testing	Robot Framework	Java	OWASP ZAP
Security Testing	Cypress	SQL	BrowserStack
Functional Testing	Playwright	Git	Requirements Analysis
Smoke Testing	Selenium	Postman	Ticket Management
API Testing	Jenkins	Jira	Technical Documentation

CERTIFICATIONS

- Cypress - Test Automation University
- Playwright - Test Automation University
- Robot Framework with Python- Selenium/API Automation Testing - Udemy
- User Experience (UX) Design – Coursera
- Google Data Analytics – Coursera
- Responsive Web Design - FreeCodeCamp