

MARK GABRIEL R. VILLANUEVA

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

PROFESSIONAL EXPERIENCE

Junior Quality Assurance Engineer, Sep 2024 - Present
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
- Gained basic proficiency in **JMeter** for performance testing to ensure system reliability under high traffic.

Associate Quality Assurance Engineer

YNS Philippines Inc. (Makati City)

- Primarily focused on test case creation, execution, edge case, regression testing, and bug reporting.
- 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**.
- Developed basic skills in using **Selenium** for web automation testing.
- Created and reviewed **PHPUnit tests**.
- 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

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**, MySQL, and Cypress for testing
- Created and executed **manual test cases** using Excel sheets and **Zephyr Scale** 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

CERTIFICATIONS

- Introduction to Cypress - Test Automation University
- Introduction to Robot Framework - 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