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	Python	UI/UX Design
Regression Testing	Accessibility Testing	Java	JMeter
Acceptance Testing	Robot Framework	JavaScript	OWASP ZAP
Security Testing	Cypress	SQL	Requirements 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,   **Sep 2024 - Present**
YNS Philippines Inc. (Makati City)

- Managed and **maintained comprehensive test documentation** while performing manual, exploratory, and edge case testing to ensure software quality and robustness.
- Performed **API testing using Postman**, validating request/response payloads, status codes, and error handling.
- Developed, maintained, and executed automated test scripts using **Robot Framework**.
- **Reviewed requirements** and contributed to impact analysis to optimize testing approaches.
- 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
- **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.
- Proposed and implemented **process enhancements** during sprint retrospectives to boost team efficiency.
- Handled **ticket management**, documentation, and issue tracking.
- Delivered a **knowledge-sharing session** on software testing fundamentals
- Developed basic proficiency in **JMeter** for performance testing to ensure system reliability under high traffic.
- Gained foundational knowledge of the **OWASP ZAP**, applying it to enhance security awareness and ensure quality in web applications.

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, and MySQL.
- Created and executed manual test cases to validate application features and ensure quality before release.

SCHOOL PROJECT / CAPSTONE

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 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