María Auxiliadora Vélez Mendoza

QA Engineer | Manual & Automation Testing | Ingeniera en Sistemas

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PROFESSIONAL PROFILE

Systems Engineer with over 3 years of experience ensuring software quality and functional analysis in high-transaction critical systems. Specialist in designing and executing functional testing strategies, End-to-End (E2E), Regression, Smoke, Sanity, and User Acceptance Testing (UAT). Strong background in ensuring data integrity through advanced SQL queries, API testing with Postman, and technical log analysis using Chrome DevTools

PROFESSIONAL EXPERIENCE

Freelancer - QA Engineer
March 2026 – Present

- **BDD Strategy**: Designed functional testing strategies and UAT acceptance scenarios from scratch using Gherkin (BDD).
- **Testing Cycles**: Executed full regression, sanity, and black-box testing cycles on critical checkout flows and payment gateways.
- **Fault Isolation**: Performed technical analysis with Chrome DevTools to isolate frontend errors and created detailed incident reports in JIRA.

Achievement: Implemented a comprehensive Shift-Left Testing strategy, executing preventive audits on the backend via Postman based on OWASP Top 10 and Boundary Testing. This ensured 100% consistency in JSON response schemas and mitigated injection risks, reducing Defect Leakage during the integration phase

Technical Support & QA Assurance - CNE (Consejo Nacional Electoral) June 2022 – January 2026

- **Functional & Regression Testing:** Validated requirements and executed functional, E2E, and regression tests for critical software updates.
- **Performance & Stress Testing:** Audited electoral hardware through stress testing to extract performance metrics and fault tolerance**.**
- **Security & Compliance:** Quality control of security for restricted and confidential modified operating systems.
- **Data & Network QA:** Monitored and ensured stability across 150 national dedicated data tunnels.

Achievement: Coordinated the functional validation of 150 data transmission nodes, executing nationwide stress tests that mitigated unforeseen failures and maintained 100% system availability.

TECHNICAL SKILLS

- **Core QA & Testing:** Functional, E2E, Black-box, Regression, Smoke Testing, Test Case Design, Traceability Matrices.
- **Automation & DB:** Python + Selenium WebDriver (POM Pattern), SQL (PostgreSQL), Git/GitHub.
- **API & Mobile Testing:** Postman (JSON Validation, Boundary Testing), Chrome DevTools, Mobile Testing (Android/iOS in progress).

- **Management & Analysis:** JIRA (Bug Life Cycle), DevOps, Requirements Analysis, Flowcharts, Advanced MS Excel.
- **Methodologies:** Scrum, Kanban, ISTQB Standards

🚀 PROJECTS

End-to-End Automation (Urban Routes):

- **Focus**: Designed and implemented an automation framework from scratch using the Page Object Model (POM) pattern.
- **Technical Challenge**: Managed dynamic elements (modals/explicit waits) and automated SMS retrieval via log analysis.
- **Achievement**: Achieved 85% coverage in critical flows (payments, login), reducing execution time by 70% compared to manual testing.

API Automation (Urban Grocers App):

- **Focus:** Built automated suites for endpoint validation and JSON schema consistency.
- **Technical Challenge:** Applied *Boundary Testing* to mitigate risks of data injection and overflow.
- **Achievement:** Validated 100% of backend responses, decreasing *Defect Leakage* by 40% during the integration phase.

.FORMACIÓN ACADÉMICA

QA Engineer Specialization: TripleTen Bootcamp | 2026.

Systems Engineering: Technical University of Manabí (UTM) | 2018

IDIOMAS

- **Español:** Nativo.
- **Inglés:** Intermedio (B1) - Enfoque técnico para lectura de documentación y redacción de reportes de errores (Bug Reports).