

IOANA PETRESCU

Quality Assurance Engineer

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PROFESSIONAL SUMMARY

Quality Assurance Engineer with 2.5 years of experience testing AAA live-service titles at Electronic Arts (EA Sports FC, Apex Legends, UFC). Experienced in end-to-end testing of gameplay, UI, and backend-integrated systems across console and PC platforms, covering functional, regression, performance, and compliance testing. Strong collaborator in Agile environments, working closely with developers to reproduce, triage, and verify issues early in the development cycle using structured documentation and risk-based test design. Comfortable validating APIs using Postman and analyzing system behavior across connected services. Growing hands-on experience in test automation with Selenium, Playwright, and TestNG, with a portfolio demonstrating CI/CD pipeline integration, automated bug reporting, and framework architecture following industry best practices. ISTQB CTFL in progress.

PROFESSIONAL EXPERIENCE

ELECTRONIC ARTS - QA / QV Tester

Bucharest, Romania | Jun 2022 - Mar 2025

- Executed functional, regression, performance, and platform compliance testing across gameplay systems, UI flows, and backend-connected features, supporting release readiness across multiple platforms.
- Identified, documented, and triaged 100+ defects in Jira with clear reproduction steps and evidence, accelerating developer turnaround and reducing re-open rates.
- Collaborated closely with developers, designers, and producers during Agile sprints to validate fixes early and reduce late-stage regressions.
- Improved regression efficiency by organizing reusable test scenarios and structured test passes, increasing coverage while maintaining sprint timelines.
- Validated API-driven features using Postman to confirm correct data flow between client and backend services during live-service updates.
- Performed cross-platform verification to isolate platform-specific issues versus global defects, supporting smoother submissions and compliance checks.

POSCO INTERNATIONAL - Assistant Manager

Bucharest, Romania | Jan 2018 - Oct 2021

- Managed day-to-day communication with automotive clients and internal teams to keep orders, deliveries, and issue resolution on track.
- Maintained operational documentation and status updates (requests, confirmations, changes), improving handoffs between stakeholders and reducing misunderstandings.

- Tracked exceptions and recurring problems, escalating risks early and supporting practical process improvements for smoother execution.
- Prepared basic reports and summaries for ongoing accounts, helping align priorities and timelines across teams.

NATIONAL INSTITUTE OF ENDOCRINOLOGY - Registrar

Bucharest, Romania | Feb 2014 - Dec 2017

- Handled patient intake and registration, ensuring accurate data entry and consistent record updates.
- Maintained and organized patient records and appointment information, supporting smooth coordination between patients and clinical staff.
- Improved data accuracy through careful verification, structured documentation, and timely corrections when inconsistencies were found.
- Worked with sensitive information responsibly, following internal procedures for confidentiality and record handling.

PROJECTS & PORTFOLIO

RecordCollector Web — Full-Stack Test Automation with CI/CD

Built a responsive vinyl record collection web app with a complete automated test suite following the testing pyramid (smoke, functional, E2E). Implemented CI/CD pipeline with GitHub Actions that runs full test suite on every push, automatically generates detailed bug reports on failures (including timestamp, error message, reproduction steps, and environment details), and uploads reports as build artifacts. Demonstrates end-to-end QA workflow from test design through deployment.

Key Achievements:

- Automated test suite with Playwright and pytest covering 3 test layers (smoke, functional, E2E) for 44+ vinyl records
- CI/CD pipeline automatically runs tests on every commit and generates Markdown bug reports on failures with zero manual intervention
- Testing pyramid structure ensures fast failure detection — smoke tests validate app health before running expensive E2E scenarios
- Live deployment on GitHub Pages demonstrating production-ready code quality and responsive design across devices

Tools Used: Playwright, pytest, GitHub Actions (CI/CD), HTML5, CSS3, JavaScript, Git

Repository: github.com/ioanadaria/recordcollector_web

Test Results & Impact:

- 25 automated tests execute in 19 seconds with 100% pass rate
- CI/CD pipeline runs on every commit, catching integration issues before deployment
- Automated bug reporting saved 15+ minutes per failure during development by eliminating manual report creation
- Testing pyramid structure ensures failures are detected in under 20 seconds (smoke tests run first)

Selenium Integration Framework — Cross-Browser Automation with Java + TestNG

Designed and built a production-ready test automation framework supporting parallel cross-browser execution (Chrome + Firefox) with 38 automated test cases covering 14 different real-world scenarios. Implemented Page Object Model design pattern for maintainability, custom WebDriver event listeners for detailed execution logging, and advanced test scenarios including SSL certificate handling, Windows authentication, PDF validation, and dynamic wait strategies.

Key Achievements:

- 38 automated tests executing in parallel across Chrome and Firefox with zero manual driver management (Selenium Manager)
- Page Object Model architecture separating test logic from page interactions, improving maintainability and reducing code duplication
- Advanced test scenarios: broken link validation using Java HttpClient, PDF text extraction with PDFBox, SSL certificate bypass, NTLM authentication
- Custom WebDriver event listener logging all browser events (navigation, clicks, errors) for enhanced debugging and test analysis
- Configuration-driven tests loading credentials from external properties files for secure credential management

Tools Used: Java 25, Selenium 4.38, TestNG 7.11, Maven 3.9, PDFBox 2.0, Git

Repository: github.com/ioanadaria/Selenium-Integration

Test Results & Impact:

- 44 tests execute in 2 minutes with parallel Chrome and Firefox execution reducing total runtime by 50%
- Broken link validator identified 3 HTTP 401 authentication-required endpoints and 2 missing images during test execution
- Framework supports 14 distinct test scenario types with zero manual driver management via Selenium Manager
- Custom event listener provides detailed execution logs for debugging, capturing every navigation and click event

Selenium UI Automation Suite — Python + pytest

Developed comprehensive Selenium WebDriver automation suite demonstrating core browser automation patterns with Python and pytest. Collection includes 10+ pytest test files with reusable fixtures for cross-browser setup (Chrome/Firefox) plus 15+ standalone scripts showcasing specific automation techniques. Covers common real-world scenarios including alert handling, cookie management, file uploads, stale element recovery, and dropdown interactions.

Key Achievements:

- 10+ pytest test files covering alerts, authentication, checkboxes, cookies, file upload, element resize, and stale element handling

- Shared pytest fixtures (conftest.py) enabling consistent Chrome/Firefox driver setup across entire test suite
- HTML test reporting with pytest-html for visual test result analysis and failure investigation
- Automatic ChromeDriver/GeckoDriver management via webdriver-manager eliminating manual driver installation
- Retry logic for StaleElementReferenceException demonstrating production-level exception handling patterns

Tools Used: Python 3.8+, Selenium 4.27.1, pytest 8.3.4, webdriver-manager 4.0.2, pytest-html 4.1.1, Git

Repository: github.com/ioanadaria/Selenium

Test Results & Impact:

- 17 pytest test cases demonstrating cross-browser compatibility testing patterns with shared fixtures
- HTML test reporting provides visual analysis of test results with detailed failure screenshots and stack traces
- Tests validate real-world scenarios against live websites, demonstrating practical automation skills
- Retry logic for StaleElementReferenceException demonstrates production-level exception handling with 3-attempt recovery

TECHNICAL SKILLS

- Functional, Regression, Exploratory Testing
- Performance & Stability Testing
- Platform Compliance & Cross-Platform Testing
- API Validation (Postman)
- Test Design & Defect Triage
- Jira, Confluence, TestRail, Zephyr
- Git/GitHub; GitHub Actions (CI/CD)
- Selenium WebDriver, Playwright; TestNG, pytest
- Java, Python, JavaScript; HTML/CSS
- Agile/Scrum/Kanban; Testing Pyramid; Page Object Model

EDUCATION & CERTIFICATIONS

SNSPA - Undergraduate Studies (3 years), Communication and Public Relations

- ISTQB CTFL (In progress)
- IBM Z Day 2025 - AI & Data (IBM, Issued Dec 2025)
- Agile Explorer - IBM SkillsBuild
- TestRail Academy Certifications
- LinkedIn Learning Automation & Programming Courses
- Codecademy AI & Programming Foundations
- Appen - Introduction to AI