Manoel Lopes | Software Test Engineer, Quality Assurance (QA) Analyst

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Professional Profile

I am a skilled Automation Engineer with over 5 years of experience in enhancing software quality through comprehensive automated testing. My expertise lies in leveraging advanced testing frameworks and methodologies to ensure robust and reliable software performance.

- **Automation Tools & Frameworks:** Proficient in Cypress, Playwright, Selenium, Cucumber, and BDD for creating and maintaining automated test scripts.
- **Programming Languages:** Experienced in JavaScript, TypeScript and Python for developing automated test cases.
- **Testing Methodologies:** Specialized in agile, smoke, exploratory, and regression testing.
- **Defect Management:** Strong capabilities in defect life cycle management, re-testing, and requirement analysis.
- **Project Experience:** Extensive background in testing Robotics, Web and Desktop Applications, and API systems.
- **Test Management Tools:** Skilled in using Jira and Azure DevOps for tracking and reporting.
- **Database Knowledge:** Solid understanding of both Relational (SQL) and Non-Relational (NoSQL) databases, including Microsoft SQL, Postgres, MySQL, and MongoDB.
- **API Testing:** Proficient in using Postman for API testing.

Core Skills

- Manual and Automated Testing
- Cypress, Playwright, Robot Framework, Selenium
- Jira, Bugzilla, Notion, Azure DevOps
- PostgreSQL, MySQL, MSSQL, MongoDB

- Postman, Chrome DevTools
- Agile Methodologies, SDLC, STLC
- Analysis, Attention to Detail
- Linux, Docker, Git

Career Summary

QA Engineer, Expleo (Central Bank Of Ireland), Dublin - Ireland | Feb 2024 - Present

Outline

Led automation initiatives to improve product quality and accelerate testing processes.

Key Achievements

- Led the automation strategy for multiple projects, significantly enhancing product quality by implementing Playwright and Cucumber-based test frameworks. This improved test coverage and reduced manual testing time.

- Designed and implemented robust and reliable automated tests, ensuring that they were independent of minor UI changes and delivered accurate results, in line with industry best practices.
- Extensive experience in developing and implementing both UI and API test automation within an Agile environment, contributing to faster and more reliable releases. Tools utilized include Playwright, Cucumber, and Postman.
- Played a pivotal role in transitioning the team to Agile methodologies, which led to more adaptive and iterative development cycles, improving overall testing efficiency.

QA Analyst, SEAtS Software, Bray - Ireland | Aug 2023 - Jan 2024

Outline

Conducting comprehensive manual testing for E2E functionality on the web application, assessing API security, scrutinising endpoints for SQL Injections, validating against XSS vulnerabilities, ensuring visual fidelity to FIGMA design through inspections, and implementing Playwright for automated testing of specific web app components.

Key Responsibilities
- Proficient in crafting comprehensive test plans and test cases.
- Methodical execution of test cases, ensuring thorough coverage.
- Extensive experience in UI testing, evaluating software functionality, and conducting usability testing & E2E Testing.
- Adept at identifying and documenting software defects through rigorous testing processes.
- Proven ability to author QA documentation using Azure DevOps or Jira including user guides, how-to documents, test cases, and test plans.
- Proficient in test automation using Playwright, enhancing efficiency and reliability.
- Automation of repetitive tasks, allowing focus on complex test scenarios.

Key Achievements
- Successful implementation of test strategies resulting in improved product quality.
- Contributed to enhanced user experiences through thorough usability testing.
- Efficiently automated tests with Playwright, reducing manual effort and ensuring quicker feedback loops.

QA Developer, Eiratech Robotics, Dublin - Ireland | Dec 2021 - Nov 2022

Outline

Developing and Testing numerous web applications, robots, and environments to support activities across this Robotic company with a focus on automation for its clients.

Key Responsibilities
- Testing web applications and Robots rigorously, identifying issues and debugging.
- Extend proficiency in API testing, ensuring seamless integration between various components of the software ecosystem and verifying data integrity.
- In-depth knowledge of RESTful API to conduct thorough testing of API endpoints, validating responses and verifying proper data exchange.
- Leverage advanced SQL query skills to validate data accuracy and perform extensive database testing to ensure data integrity throughout the application lifecycle.
- Creation and maintenance of user guides for testing and procedures.
- Developing, maintaining, and supporting the company's internal Wiki documentation.
- Developing test cases that meet user requirements fully.

- Collecting requirements from end-users to develop both manual and automated tests.
- I was writing functional code for Robot Framework using Python, Robot, SQL, Unit Test & Selenium Webdriver.

Key Achievements
- Streamlined the implementation and configuration of automated tests which reduced test execution time.
- Successfully delivered "Send to Charge Project" across the organisation.
- I helped with the migration to a new system in Wales, UK without any downtime.

Quality Assurance (QA) Tester, JABIL, Dublin - Ireland | Mar 2019 - Nov 2021

Outline

Supporting activities across this manufacturing facility by building, testing, and improving hardware, software, and environments.

Key Responsibilities
- Resolving user technology queries within agreed SLA times.
- Conducting API testing using tools like Postman, ensuring seamless integration and functionality of APIs.
- Experience with SQL to analyse data, perform database queries, and generate reports as needed.
- Rigorously tests hardware (MBs, DIMMs, HDs, SSDs, GPUs, NICs), identifying issues and debugging.
- Developing dashboards and slide decks for senior management.
- Creation and maintenance of user guides for debug technicians and the management team.
- Troubleshooting technology problems across Debug, Engineer, QA/QC Teams and implementing effective solutions.

Key Achievements
- Implemented quality control procedures, resulting in a 70% decrease in product returns.
- I designed and developed a web application that was highly rated and increased the debug team's efficiency.
- Kayzen project approval recognised the web application and debug tools I developed that helped several teams within the company and overseas (US).

Education

- QQA Level 8, Higher Diploma in Computing Science | CCT College Dublin.
- Bachelor's degree, Systems Analysis and Development | Uni-Goias.

Additional

Programming Languages and Skills
- Javascript, TypeScript, Python, SQL, HTML, CSS

Languages
- English (Fluent), Portuguese (Native)