

**KEY ACHIEVEMENTS**

Developed and supported a few different test automation frameworks for UI and API integration testing using SpecFlow with Python and pytest.

Established pipelines in Azure DevOps as well as Jenkins tools to support automation build runs.

Successfully applying different levels of python scripting in multiple areas like data migration, validation, data analysing and visualisation.

Successfully provided data analysing and verification using tools like Elastic Search, MongoDB, SQL Server, Databrick and Azure Data Lacks.

Built and support performance and load tests for different systems using JMeter and Python scripts.

Provided guidance around quality processes, tools and technics improvements for multiple outside teams, who adopted our practices to decrease their time to delivery.

Actively engaged in deep troubleshooting and rout cause analysing of issues between multiple integrated projects. Successfully helped teams to investigate issues in the complex platform.

Ap.alesia15@gmail.com

+ [LinkedIn URL](http://www.linkedin.com/in/alesia-perera-1b10b818)

0425 395 914

**PROFILE**

Creative and highly organised QA/Developer professional with a unique ability to make sense of complex systems and platforms. With over 15 years of experience in a wide range of industries such as networking and communication, finance, transport and logistics.

Determined with deep focusing and analytical skills. Able to handle distractions well, take on challenges and balance routing task with variety.

**CAREER SUMMARY**

**QA/Developer**  **IBM**  
July 2022 – Current

**Senior Automation Test Engineer** **Aristocrat Technology**  
Oct 2021 – July 2022

**Senior Automation Test Engineer** **The Yield Technology**  
Jul 2021 – Oct 2021

**Software QA Lead** **NTT Australia Pty Ltd**  
Jan 2018 – Jul 2021

**Senior Test Analyst** **Visual Risk**  
Sep 2015 – Jan 2018

**QUALIFICATIONS**

2000-2005

**Bachelor’s Degree in Applied Mathematics and Information Technologies**

**AREAS OF EXPERTISE**

* Establishing and supporting automation frameworks using pytest
* Automation testing for UI, API, Microservices and back-end systems
* Functional, unittesting, system and Integration. Performance and load testing
* Python scripting for different levels of testing, data validation, cleaning and presentation.
* Extensive knowledge of SDLC; SCUM and SAFe lifecycles.

**PROFESSIONAL EXPERIENCE**

**PROFESSIONAL EXPERIENCE**

July 2022 – Current

**IBM**

**Background:** Working in the Envizi team under Sustainability Software group.

**Role Title: QA/Developer**

**Position Overview:**

Been part of a growing technical team, working on improving quality of a complex software product which focus on ESG reporting. Working in a scrum environment, I have been assigned to different projects working with different areas of the whole software and different teams. Assignments will include (but not limited to) validations of UI, APIs, data load and data collection services, data validating using SQL, reporting, PowerBI reports and services and validation of supporting windows services.

**Key Achievements:**

As part of a QA team, building from scratch and supporting large UI automation framework using Playwright tool and typescript language.

Building automation framework for APIs and data testing using python, pytest and SQL Alchemy. Added and supporting Jenkins pipelines to run tests on schedules.

Facilitating migration between JIRA servers by creating script for data migration using python and JIRA APIs libraries, as well as running whole data migration.

Building up PowerBI datasets (using data from SQL server) and visuals/reports for demonstration and testing purposes using PowerBI desktop and PowerBI cloud services.

Taking initiative in self-development and completing IBM internal practical classes on advanced SQL usage, data analysing and visualisation using python libraries.

Oct 2021 – July 2022

**Aristocrat Technology**

**Background:** Aristocrat is a global gaming content and technology company and mobile games publisher.

**Role Title: Senior Test Automation Engineer**

**Position Overview:**

Working close with test automation team, main task is to support new automation framework by developing automation scripts with python as well as brining up automation practices and processes into the manual test environment.

**Key Achievements:**

Build up full knowledgeof existed automation framework and distribute it to the internal test teams.

Contributing into the automation framework by developing and support automation scripts using pytest and internal libraries.

Built up and supported test automation pipeline using Jenkins tool.

Establishing automation processes on the project; bringing up automation knowledge into the manual test team.

Setting up and supporting hardware for test runs (such as gaming machines, SAS protocol, Bingo simulator etc.)

**The Yield Technology Solutions**

**Background:** The Yield is an Australian agricultural technology company, which is combining engineering, data science and technologies to help to increase yield, reduce waste, mitigate risk and cost associated with bad weather.

**Role Title: Senior Test Automation Engineer / Data Science**

**Position Overview:**

Working close with development team, my main task was to build up new automation framework for back-end APIs and help data engineers build robust, reliable and high-quality data models.

APIs are brining up data generated by data models and stored in MongoDB sometimes in real-time manners. Data is consumed by mobile technologies which tends to bring full picture and graphs to client.

**Key Achievements:**

* Build up new test framework to cover up APIs back-end testing using python and pytest.
* Working close with DevOps specialist to set up build pipeline to trigger automation tests on demand or on checking.
* Working with data engineers to help to bring up scripts for data models validation using pandas and numpy.

**NTT Ltd. Australia**

**Background:** NTT Ltd. is a leading global technology services company offering services in networking, converged communications, security, data centre solution and contact centre technologies. NTT Australia operates worldwide.

**Role Title: Lead Software Quality Assurance Engineer / Software QA Manager / R&D Department**

**Position Overview:**

Working as the only QA specialist on the platform, overviewing QA processes and standards and providing guidance and directions to improve quality to Dev and architects across multiple teams.

Collect metrics to demonstrate quality maturity of the project.

Establish and support QA environment and tools.

Improve continues integration process by adding automation scripts and establishing pipelines for automation builds.

Provide deep data analysing, troubleshooting and rout cause analysing to outside teams using our platform.

**Key Achievements:**

* Establishing and demoing for the whole group Azure DevOps tool to support testing processes and automation. Moved Automation test pipelines into Azure DevOps from tfs. Migrated all manual test cases under Test Plan section. Supported other teams to adopt new tool for their test needs.
* Setting up test framework for Integration tests using Python for services running on top of RabbitMQ message bus. Full set up of test environment and data. Established automated pipeline to run scripts on schedule.
* Set up Automation framework for API tests using SpecFlow (Cucumber) with C# based. Then migrated automation test cases from JMeter tool into C# which helped to speed up continues integration process.
* Created and supported scripts for performance/load test for projects like: Elastic Search DB using JSON based queries; MongoDB DB performance measurement as well as services on top of it. RabbitMQ queues services processing capacity.

Gained practical knowledge with Data lakes and other Azure cloud products, as well as Big Data testing using Databricks with Sparks and SQL

**Visual Risk**

**Background:**

The company provides treasury and risk management software specializes in market risk management.

**Role Title: Senior Test Analyst**

**Key Achievements:**

* Support of SCRUM teams with manual testing of UI application and back-end complex math logic.
* Analysing financial documentations and working closely with Business analysts to create and support comprehensive test plan and regression suite; helping speed up testing cycle and minimise amount of issues.
* Actively engaged in business logics analysing with business analyst and treasury consultants to minimise number or complex math issues.
* Working close with dev team in establishing automation framework for newly developed HTML portal and enlarging automation test suite for it.

**PROFESSIONAL DEVELOPMENT**

* Microsoft Certified: Azure Fundamentals [Issued Jan 2021]
* Jenkins Level 1: Pipeline Essentials (CloudBees) [Issues Dec 2021]
* CAT (Certified Agile Tester) [Issued Nov 2018]
* ITIL® Foundation Certificate in IT Service Management [Issued Sep 2018]
* Certified SAFe® 4 Agilist [Issued Apr 2018]
* ISTQB® Certified Tester [Issued Jan 2010]

**TECHNICAL PROFICIENCIES**

* **Database systems:** 
  + SQL (MS SQL Server)
  + MongoDB (Compass desktop app, Atlas web portal, Mongo Shell)
  + Elastic Search (direct querying or using Kibana UI plugin)
* **Programming and scripting languages:**
  + C#, Python, SQL
  + Typescript
  + MQL (Mongo querying language)
  + MVEL (Elastic expression language)
  + Groovy
  + PowerShell
* **Test Automation / web services testing tools:**
  + Playwright
  + SpecFlow (Gherkin)
  + Selenium Webdriver
  + Apache JMeter (API and Load testing)
  + Postman; Swagger
* **Message bus systems and protocols:** 
  + RabbitMQ (AMQP protocol)
  + EMR
* **Management tools:**
  + Jira, Confluence, SharePoint
  + TFS (under visual studio; Microsoft)
* **Source code CI/CD tools:**
  + Git GitHub, GitLab (scm), SVN
  + Jenkins as CI/CD pipeline tool
  + Azure DevOps
  + Yaml files for CICD
* **Other supporting tools:**
  + PowerBI
  + Rancher
  + Databricks (Sparks or SQL)
  + Docker runs

**REFEREES**

Available on request.