Brendan MacDonald

Test Analyst and Power BI Data Analyst

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# Summary

As a test analyst with 20 years of experience, I've developed a passion for data analysis. Over the past 8 months, I've focused on mastering Power BI and have built a portfolio showcasing my ability to transform raw data into meaningful insights through reports. I'm also proud to mention that I've recently passed the Microsoft Power BI Data Analyst exam, which has further enhanced my expertise in the field. As someone who values accuracy and with experience in testing, I'm confident in my ability to extract valuable insights from complex data sets. I'm excited to apply my skills as a Power BI data analyst to help organizations make better decisions.

# Certifications

* Microsoft Certified: [Power BI Data Analyst](https://www.credly.com/badges/4841c8d3-cc8c-4128-ac1f-edd38b67aa8c/public_url), 2023
* Microsoft Certified: [Power Platform Fundamentals](https://www.credly.com/badges/65295bda-f002-46f2-8325-2061799723a7/public_url), 2022
* ISEB Foundation Certificate, 2005

# Education

# MSc Information Technology & Intelligent Systems, University of Aberdeen, 2000-2001

* BSc Honours (2.1) Biochemistry (Immunology), University of Aberdeen, 1994-1998

# Technical Skills

* Data Analysis: Power BI desktop and service
* Automation Tools: Selenium Webdriver, WebdriverIO, Behat
* Performance Tools: JMeter, Gatling, K6
* Devops Tools: Circle CI, Jenkins CI
* Defect Tracking: JIRA, HP Quality Center
* Source Control: GitHub, Bitbucket
* Languages: Java, Javascript

# Professional Experience

**Power BI Data Analyst, self-study, 2022-Present**

* Studied Power BI and [built a portfolio](https://brendanmacdonald.github.io/) showcasing my ability to transform raw data into meaningful insights through reports
* Leveraged Power Query for connecting to and transforming data from various sources such as Google Sheets, Microsoft Excel and Microsoft SQL Server
* Extracted insights from public data sets to construct reports and dashboards
* Passed the Microsoft Power BI Data Analyst exam, which has further enhanced my expertise in the field

#### **Lead Test Engineer, Kainos, 2018-2021**

* TBD
* TBD
* TBD

#### **Senior Tester, Scott Logic, 2017-2018**

* Delivered test automation and performance testing for clients including the Royal Bank of Canada and Acuris.
* Created multiple proofs of concept:
  + Using Java and Selenium to drive various browsers through UI flows controlled using JUnit.
  + Using Appium with Java to test web and native apps on both physical and emulated Android devices.
  + Using Gatling and k6 for the performance testing of a banking backend.
* Native app testing on iOS devices using manual exploratory techniques.
* API testing using Jest and Supertest for internal projects.
* Mentoring of graduates on a variety of topics from test planning to mobile app testing.
* Wrote a [blog series](https://blog.scottlogic.com/2018/02/27/incorporate-security-testing-into-exploratory-testing.html) on Security testing with Zap proxy.

#### **Automation Engineer, Cameron & Wilding, 2015-2017**

* Working on agile projects for clients like The Economist and The Telegraph, I introduced testing practices and provided test automation along with continuous integration workflows.
* Created a PHP framework around the BDD tool Behat to provide rapid setup, and a structure and standard to the automation process.
* Performed visual regression testing using BackstopJS and Java with Selenium.
* Performed performance testing using JMeter and Sitespeed.
* Cross mobile device and cross-browser testing using Browserstack and Saucelabs.
* Put in place CI processes using Jenkins and Circle CI to incorporate the automation tests into the deployment workflows.
* Introduced a Test Strategy to the company and implemented Test Plans for all of our projects.
* Provided Behat training to the company and the wider public through workshops run through EventBrite
* Attended and presented at Drupal Camps in the UK

#### **Test Consultant, e-testing, 2013-2014**

* Working for an independent testing company. The majority of my time was spent on client site at Cancer Research working as part of an agile development team as the sole automation engineer to implement a UFT-based automation framework for their flagship product, Race For Life. I was also involved in the automation of their Drupal sites using Behat and Robot Framework
* Designing bespoke data-driven UFT automated tests based on user stories – form filling, payment processing, database checks.
* Using UFT and VB Script to create automated tests.
* Using Robot Framework / Selenium2Library and Behat / Mink to automate Drupal websites.
* Configuring Jenkins CI to manage and report on the automated tests.

#### **Automation Engineer, Hewlett Packard, 2010-2013**

* Working as part of a 15-member Test Team on the Passport Replacement project for the Department of Internal Affairs. My role involved:
* Designing QTP automated tests based on Functional Requirements and Use Cases.
* Providing estimates of test effort based on the test design.
* Writing Business Process Test (BPT) components and flows in HP Quality Centre.
* Converting BPT components into QTP Scripted components.
* Using QTP and VBScript to write new code for the BPT components and functions.

#### **Senior Test Analyst, Westpac, 2009-2010**

#### **Senior Test Analyst, Hewlett Packard, 2007-2009**

#### **Senior Test Analyst, IAG, 2006-2007**

#### **Test Analyst, SolNet Solutions, 2004-2006**

#### **Test Analyst, LogicaCMG, 2002-2004**