BRENDAN MACDONALD

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# Objective

To obtain a Power BI Data Analyst position where I can utilize my skills and knowledge to contribute to the success of the organization.

# Summary

As a test analyst with 20 years of experience, I've developed a passion for data analysis. Over the past 10 months, I've focused on mastering Power BI and have [built a portfolio](https://brendanmacdonald.github.io) *(https://brendanmacdonald.github.io)* showcasing my ability to transform raw data into meaningful insights through reports. I'm proud to mention that I've passed the PL-300 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
  + including Power Query, data modelling, time intelligence, DAX measures using both import and direct query modes, DAX Studio
* Languages: T-SQL, DAX, Java
* Database Tools: SQL Server Management Studio, DbVisualizer, TOAD
* Databases: SQL Server, DB2, Oracle
* Automation Tools: Selenium Webdriver, Behat
* Performance Tools: JMeter, Gatling, K6
* DevOps Tools: Circle CI, Jenkins
* Defect Tracking: JIRA, HP Quality Center
* Source Control: GitHub, Bitbucket

# Professional Experience

**Power BI Data Analyst | Self-study | 2022-Present**

* Self-studied Power BI and developed a portfolio demonstrating my ability to convert raw data into meaningful insights through reports. My portfolio includes "*Report 1 – Self Study*" with detailed information on the courses and subjects I studied.

#### Analyzed public data sets to create reports and dashboards, extracting valuable insights.

#### Utilized Power Query to connect with and transform data from various sources like Google Sheets, Microsoft Excel, and Microsoft SQL Server.

* Gained experience in data modeling and creating relationships between tables.
* Utilized time intelligence functions to analyze data over specific time periods.
* Developed complex DAX measures for advanced calculations and business logic.
* Experienced in working with both import and direct query modes for efficient data retrieval.

#### Successfully passed the PL-300 Microsoft Power BI Data Analyst exam, further enhancing my expertise in the field.

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

* Worked on a 1-year data migration project for HM Land Registry to migrate data from Oracle and DB2 sources to Microsoft Dynamics. This involved a combination of manual and technical testing to verify the completeness and accuracy of the migration.
* Worked on an agile team on site at the Scottish Courts providing test leadership and guidance on best test practices.
* Managed and produced a Selenium Java automation framework to regression test the in-house and public facing websites.
* Worked with the client to write and execute performance tests using JMeter focussing on their key business flows.
* Mentored junior testers on the team and was additionally a coach for 4 other staff providing career guidance and support.

#### **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.
* 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.
* Provided Behat training to the company and the wider public through workshops run through EventBrite
* Attended and [presented at Drupal Camps](https://www.youtube.com/watch?v=IOBSJMQAi1Y) in the UK

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

* Worked for an independent testing company on client site at Cancer Research as part of an agile development team. I was 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
* Designed bespoke data-driven UFT automated tests based on user stories – form filling, payment processing, database checks.
* Used UFT and VB Script to create automated tests.
* Used 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**

* Worked as part of a 15-member Test Team on the Passport Replacement project for the Department of Internal Affairs.
* Designed QTP automated tests based on Functional Requirements and Use Cases.
* Provided estimates of test effort based on the test design.
* Wrote Business Process Test (BPT) components and flows in HP Quality Centre.

#### **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**