

# Peter Bowman

[bowmanpete123@gmail.com](mailto:bowmanpete123@gmail.com) +64273111199 [linkedin.com/in/bowmanpete123](https://www.linkedin.com/in/bowmanpete123) [github.com/mesa123123](https://github.com/mesa123123)

## Experience

### Westpac

*Senior Data Engineer* January 2022 (Present Role)

In 2022 the bank needed a python engineer with Platform experience to inherit the API development of their canonical data models within the context of transactions data. Being within my wheelhouse I lobbied to step up to this position. My duties in this role were taking full responsibility of the project, reducing the technical debt that had accumulated during its development thus far. The project required development of both a local environment that could simulate the kafka topics that would run within the AWS via docker and docker compose, designing a solution so that open api specifications could be auto-generated from configuration files at runtime and modernising python practices within the banks communities of practice.

Technology Used in Roles:

Python Pytest FastAPI Docker Docker Compose Kafka Open API Jira Confluence Postgres AWS Dynamo DB

*Platform Engineer* June 2021 - January 2022

In June 2021 I was given the opportunity by Westpac to be a part of the forming of a new remote team designed to support the implementation of Site Reliability Engineering and GitOps Practices for the Wellington and Auckland data teams. As a team, our focus was to analyze the current state of the infrastructure within the data for our stakeholders, define areas of weakness and technical debt, and create the Service Level Indicators in order to ensure reliable systems for those we served. As a Platform Engineer there was strong culture of "developing the craft" and engineers were encouraged to contribute to the building, documenting, and creation of tools and knowledge bases that allowed all members of the tribe to improve their skills both as engineers, and professionals, my contribution to this practice was acting as an informal expert on Windows Subsystem for Linux.

Technology Used in Roles:

Linux Jira Confluence Terraform Chef WSL

*Senior Automation Test Engineer* January 2020 - June 2021

During the year of 2020 I have been working as a Test Engineer (both as a contractor and permanent employee) for Westpac New Zealand. I have worked within the Data Tribe's Data Lineage squad supporting the EDC platform. My primary duties as a Test Engineer, included automating the data completeness throughout the EDC data pipelines and its many connectors to Westpac's legacy business data systems. Working with the data department I have completed the first iterations of a library using spark and scala that would create masked data layers enabling test data that better reflects Westpacs production systems

Technology Used in Roles:

Scala Spark Selenium Hadoop RHEL Servers Shell Zeppelin Jupyter Docker Jira Confluence Vimsript

Informatica EDC

### Heineken

*Data & Digital Specialist* January 2019 - January 2020

In 2019 Heineken brought a new focus to digital transformation, and within its New Zealand Headquarters my role was to lead this transformation within the production side of the business. This included leading a regional strategy that aligned with the global vision, and facilitated the training of production leadership for agile and design thinking. Day to day I lead projects that experimented with new ideas and new technologies in the contributing to Heinekens World Wide Data & Digital Specialists sharing best practices and learnings to better the business globally. When needed I built applications with Python, Javascript, SQLite, MySQL, and testing harnesses using the Pytest and Jest testing frameworks. Unfortunately my time with Heineken was cut short as I was given a great opportunity with Westpac that I could not refuse

Technology Used in Role:

Python SQLite Javascript MS Project Anaconda Jest Power BI Pytest Selenium Azure DevOps

### Assurity

*Test Analyst* January 2016 - January 2018

Assurity is a technology consultancy company that started in Wellington NZ. As consultants we supported the challenges that come with delivering enterprise technologies. During my time there I consulted for many government departments, learning the intricacies of large scale software delivery. I used Selenium and Junit to create test suites as well as experimenting with Jenkins, Maven, and Gradle for building and creating CI/CD pipelines. I also worked with SQL to create and use test data, using tools such as Oracle DB and MySQL. My time with Assurity spurred my passion for working with tech and I decided that in order to really get the most out of the industry I needed to upskill my technical capabilities, thus I made the decision to return to study

Technology Used in Role:

SQL Git Java Maven Gradle HP ALM W3C Driver (Selenium) MySQL Oracle DB Jenkins

# Other Experience

<b>Victoria University of Wellington</b> <i>Residential Advisor    Year of 2015</i>	<b>Victoria University Commerce Society</b> <i>Representative of Economics &amp; Finance    Year of 2014</i>
<b>Inspiration Education</b> <i>Senior Tutor Mathematics &amp; English    Years 2012 - 2015</i>	<b>Voda Model Management</b> <i>Model    Years 2015 - 2017</i>

# Education

## Graduate Diploma Software Development

*Toi Ohomai Institute of Technology    Feburary 2018 - December 2018*

### Course Synopsis

#### *Introduction To Artificial Intelligence*

This course required me to implement a vast range of techniques used in the current artificial intelligence techniques including genetic algorithms and analyzed different ways of constructing these solutions to create "good enough" solutions in an NP problem space

#### *Advanced UI Design*

This paper tasked me to work with Microsoft's UWP and Azure Platforms to bulid mobile applications. This culminated in the creation of an MVP named "Get Setter" an application created to help people customize their training regimes

#### *Database Development*

In this paper I worked to deepen my knowledge of relational database concepts, using MSSQL to work on projects that reinforce our skills

#### *Final Project: Rugby Bay of Plenty*

This was my final project on the course and worked with Rugby Bay of Plenty as a client in order to create an application that would track news, scores, and tournament updates throughout the length of the national tournament for rugby 7s. Our work included the entire SDLC first gathering requirements from Rugby BoPs Leaders, development, and working alongside Rugby BoP representatives to support the running of the application over the course of the weekends the tournamen ran.

#### Technology Used in Role:

- Python
- Javascript
- Vue
- Enterprise Architect
- MSSQL
- SQLite
- C#
- Azure
- Git
- UML

## Bachelor of Arts *Maj. Economics*

*Victoria University of Wellington    Years 2012 to 2015*

#### *Minors*

English Literature

#### *Co-Curricular*

Victoria University Commerce Executive  
Victoria University Rowing Club

#### *Electives*

Jazz Performance  
Mathematics  
Computer Science  
Philosophy

# Qualifications

## ISTQB Foundation Level

*Internation Software Qualitfications Board    Received 2016*

## NZ Speech Qualifications - Grade 8 Honours

*New Zealand Speech Board    Received 2010*

# Awards

## Duke Of Edinburgh Award: Silver Level

*His Royal Highness Prince Philip, Duke of Edinburgh    Received 2010*

## Rotorua Young Achievers Award

*Rotorua Lakes City Council    Received 2010*

