Peter Bowman

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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 responibsility of the project, reducing the techincal 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, desigining 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 | Postrges | AWS Dynamo DB |

Plaform 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 | Zepplin | Jupyter | Docker | Jira | Confluence | Vimscript |

| 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 epxerimented 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 intrcacies 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

Victoria University of Wellington
Residential Advisor   Year of 2015

Inspiration Education
Senior Tutor Mathematics & English   Years 2012 - 2015

Victoria University Commerce Society
Representative of Economics & Finance   Year of 2014

Voda Model Management
Model   Years 2015 - 2017

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 contructing 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 reqirements 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