Peter Bowman

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Experience

Pikpok

Python Engineer   November 2022 - April 2023

PikPok is a leading mobile game development studio, I contributed to a the analytics team as a Python Engineer, I leveraged key technologies such as Python (using libraries like pandas), Jupyter, Linux, PostgresQL, AWS (Redshift), to handle ETL business use cases for the wider business teams. My role required strong attention to detail, effective communication, and problem-solving abilities. This enabled data-driven insights to assist in strategic decision-making for many teams across the business.

Technology Used in Roles:

`Python` `AWS Redshift` `Facebook API` `PostgreSQL` `Pandas` `Jupyter` `Linux`

Westpac

Senior Data Engineer   January 2022 - November 2022

In 2022, as a Python engineer with Platform experience, I took on the responsibility of API development for the bank's canonical data models in the transactions data context. I successfully reduced accumulated technical debt and fully owned the project, implementing a local environment for simulating Kafka topics in AWS using Docker and Docker Compose. Additionally, I designed a solution to generate open API specifications dynamically from configuration files and modernized Python practices within the bank's communities of practice.

Plaform Engineer   June 2021 - January 2022

In June 2021, I had the opportunity to join Westpac's newly formed remote team, focused on implementing Site Reliability Engineering and GitOps practices for the Wellington and Auckland data teams. Our team analyzed the infrastructure, identified areas of weakness and technical debt, and established Service Level Indicators to ensure reliable systems for stakeholders. As a Platform Engineer, there was a strong emphasis on developing skills and contributing to tools and knowledge bases. I played a role as an informal expert on Windows Subsystem for Linux, fostering continuous improvement among team members as engineers and professionals.

Senior Automation Test Engineer   January 2020 - June 2021

In 2020, I worked as a Test Engineer for Westpac New Zealand, both as a contractor and permanent employee, within the Data Tribe's Data Lineage squad, supporting the EDC platform. As a Test Engineer, my main responsibilities involved automating data completeness checks across EDC data pipelines and its various connectors to Westpac's legacy business data systems. Collaborating with the data department, I successfully developed an initial version of a library using Spark and Scala to generate masked data layers, enabling more accurate test data that reflects Westpac's production systems.

Technology Used in Roles:

`Scala` `Spark` `Selenium` `Hadoop` `Linux` `WSL` `RHEL Servers` `Shell` `Zepplin` `Jupyter` `Docker` `Jira` `Confluence` `Vimscript`

`Informatica EDC` `Python` `Pytest` `FastAPI` `Docker` `Docker Compose` `Kafka` `Open API` `PostrgesQL` `AWS Dynamo DB` `Jira`

`Confluence` `Terraform` `Chef`

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 Roles:

`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 Roles:

`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

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

Inspiration Education
Senior Tutor Mathematics & English   Years 2012 - 2015

Voda Model Management
Model   Years 2015 - 2017

Education

Graduate Diploma *Maj. Software Development*
Toi Ohomai Institute of Technology   Feburary 2018 - December 2018

Course Synopsis

Introduction To Artificial Intelligence

Database Development

Advanced UI Design

Final Project: Rugby Bay of Plenty

Technology Used

`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

Electives
Jazz Performance
Mathematics
Computer Science
Philosophy

Co-Curricular
Victoria University Commerce Executive
Victoria University Rowing Club

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