Peter Bowman | Resume

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Experience

Python Engineer - Spend Network | Government Technology   2023-2024

· Lead the Design, Creation, and Development of internal tooling that tracked up to date Government Procurement activity for the entire EU. This was used by Spend Network's marketing team to target and convert potential clients into loyal customers.

· Created, Implemented, and Automated client facing email products that allowed customers to connect with Government Procurement Opportunities, creating a new revenue stream for the Spend Network.

Technologies: Python (Pytest, Pyspark, Pandas, smtp), SQL, AWS (Athena, Glue, Quicksight, Glacier, Code Build, IAMS, ECR), Docker

Data Engineer - Pik Pok | Interactive Media | Contract Role   2023

· Created internal analytics products allowing all stakeholders in the company to better predict, interpret, and improve revenue streams for the business.

· Lead initiatives to adopt business driven development, documentation, and developer experience initiatives, which increased code quality, feature development speed, and knowledge retention for the entire data engineering department.

Technologies: Python (Pytest, Pandas, Celery), SQL, Docusaurus, AWS: Redshift, PostgresQL

Data Engineer/Test Engineer - Westpac | Banking and Financial Sector   2020-2023

· Designed, developed, and implemented ETL solutions to galvanize the AI tools of Westpac. This enhanced regulatory compliance, and predictive analytics of the Bank. Hedging billions of dollars worth of risk in the financial markets of New Zealand.

· Lead Quality Engineering for Westpac's data linage solutions. Westpac used this to become a leader in transparency and compliance with the regulatory bodies that govern the financial system of New Zealand.

· Consulted on the creation and standardization of GitOps and DevOps practices for the Engineers within Westpac's Data and AI spaces. This allowed the engineers of Westpac and its vendors to iterate product development with less technical debt, higher code quality, and lower development costs potentially saving the business millions in lost revenue from refactoring and incident management.

Technologies: Python (FastAPI, Pandas, Pytest, Locust, SQAlchemy, Poetry), AWS (ECR, API Gateway), Hadoop, Scala, Spark, Hive, Postgres, Informatica

Data and Digital Specialist - Heineken | FMCG - Beverages   2019

· Collaborated with colleagues on an international scale to design the vision of Heineken Supply Chain's "data and digital" strategy. Encompassing many industries from robotics to sustainability, the design of this strategy helped position Heineken eliminate redundant manual inputs, wasteful resource use, and outdated business practices to create a global supply chain that could thrive in the digital age.

· Lead the Australian and New Zealand execution of Heineken's data and digital strategy. Created, implemented, and managed multiple projects within Heineken's Australia/New Zealand supply chain, allowed Heineken to strengthen business ties with the Government, Business, and University cementing Heineken's reputation as an innovating force within New Zealand's economy.

Education

Graduate Diploma of Software Engineering - Toi Ohomai Institute of Technology   2018

· **Final Project:** NZ Rugby Sevens Championship Tournament PWA
· **Electives:** AI, Database Engineering, UI Design, Business Analysis

Technologies: MSSql, Enterprise Architect, Javascript (Vue, Jest), C#, Python (Pandas, Numpy, Scipy)

Bachelor of Arts - Victoria University of Wellington   2012 - 2015

· **Major:** Economics   **Electives:** Philosophy, Computer Science
· **Minors:** English Literature, Mathematics

Certifications - Professional & Ad-Professional

· **Foundation Certification** - International Software Testing Qualifications Board
· **NZ Speech and Drama Qualifications** - New Zealand Speech Board