


PETER BOWMAN | RESUME

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Contracting Experience

Senior Python Engineer - Snap.inc | AR/XR | Contract Role

2025

- Developed resilient Python-based ETL pipelines orchestrated with Airflow, centralising production data into BigQuery and shrinking reporting latency by 60%, unlocking near real-time visibility
- Automated data validation and pipeline monitoring scripts in Python, cutting manual quality checks by 50% and reducing error resolution time across distributed teams by hours
- Collaborated with international stakeholders across multiple timezones to align product innovation decisions, and stakeholder reporting by ensuring adoption of Looker Studio dashboards to accelerate cross-team prototyping

Technologies: Python, Airflow, GCP(GCS, BigQuery, Looker Studio)

Senior Python Engineer - Flawless.ai | VFX | Contract Role

2025

- Recreated release Pipelines to nearly eliminate disruptions, reducing time to release from days to hours.
- Created solution in python to automate CI/CD test discovery, which not only enhances the quality of our tests but also slashes the time consumed by manual testing by 40%, thus effectively cutting unnecessary expenses and ensuring timely progression across projects
- Seamlessly integrated Terraform, GitHub Actions, GCP, AWS ECS and Slack. Boosting efficiency by 25% while enabling deeper tech integrations that foster reduce incident response and repair by hours

Technologies: Python, Pytest, Temporal.io (Airflow), Terraform, Github Actions, AWS (ECS)

Senior Python Engineer - Spend Network | Government Technology | Contract Role

2023-2024

- Collaborated with the CTO and wider business to prioritize backlog items, ensuring a balance between short-term deliverables and long-term technology investments, while effectively communicating trade-offs to other business areas.
- Designed and implemented continuous and iterative feature development, including ETL pipelines and APIs, leveraging Python and AWS services. Enhancing system security and reliability while collaborating across the development team to influence architecture and feature design.
- Independently managed projects from inception to deployment, taking ownership of requirements gathering, code quality, and operational responsibility.

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

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

2023

- Worked with the Engineering Team to design ETL pipelines using Python and AWS, supporting new product integrations for Game Development, Player Testing, and Data Analysts into our core products. Designed APIs for internal business partners, ensuring authentication, versioning, and comprehensive documentation.
- Effectively communicated project constraints to other business sectors while collaborating with the entire development team to shape system architecture and feature design.
- Demonstrated proficiency in designing, testing, and deploying new features iteratively and continuously. Operated autonomously on projects from inception to completion, assuming full accountability for the code authored, adhering to the ethos of "you build it, you run it."

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

Permanent Experience

Senior Data Engineer - Lantern.ai | Private Equity

2024-2025

- Developed and maintained Python Libraries and Databricks environments for seamless and robust integration of Lanterns data pipelines
- Created Software with Unix shell Docker to enable on-demand rebuilding of data environments on local machines, streamlining development experience a workflows.
- Maintained and developed complex layers of the main data application model with PostgreSQL, dbt Azure Databricks ensuring reproducible, builds and designing a maintainable testing standard for data framework quality for the wider data engineering team.

Technologies: Python (Pytest, Pandas), Docker (compose), SQL (Data Build Tool, PostgreSQL), Azure Databricks

Data Engineer - Westpac | Banking and Financial Sector

2020-2023

- Created and deployed APIs for interconnected services, designed client and partner-facing APIs with a focus on authentication, versioning, and documentation, and developed ETL pipelines using Python and AWS services. Enhanced the availability of our Bank's AI services and effectively communicated trade-offs to various business sectors.
- Standardized, and documented GitOps practices in Westpac's AI department, saving hundreds of thousands in yearly refactoring costs and onboarding times. Used Spark to create a data mart factory for quality assurance, saving hundreds of man hours in data collection costs.

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

Data and Digital Specialist - Heineken | FMCG - Beverages

2019

- Led the execution of Heineken's data and digital strategy in Australia and New Zealand. Collaborated with multiple business stakeholders to define project requirements, establish project constraints, and manage progress, iteratively developing and delivering on project milestones.
- Established new business relationships with government, business, and academic communities, ensuring the delivery of innovations within Heineken's supply chain.
- Used PowerBI to create the data warehouses visualisation layer of Heineken NZ Supply Chain, reducing company FTEs by 3.0.

Technologies: Python, SQL, Power BI, Javascript (NodeJs, VueJs), Progressive Web Applications, Microsoft Power Apps

Test Engineering Consultant - Assurity Consulting | Gov Tech

2016-2018

- Worked with the Multiple Government departments on business transformation projects, facilitated integration with new partners, and improved the accessibility of government services. Bolstered the security and dependability of our government software while adeptly communicating trade-offs to various internal & external stakeholders.
- Collaborated with the entire project team shape system architecture and feature design, and ensured quality of new functionalities in a continual and iterative fashion.

Technologies: Selenium, Webdriver, Junit, Java, Maven, SQL, Oracle SQL, Jenkins, Cucumber, Groovy

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