

Timothy Youell – Senior Cloud Data Consultant

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Key Skills

- Python & SQL
- Data Engineering
- Cloud Computing (GCP)
- IaC & CI/CD
- Machine Learning
- BI (Tableau)

Summary

A self-motivated senior cloud data consultant with over five years of industry experience, specialising in the development and deployment of end-to-end data-driven products and services. I have a master's degree in Computer Science, strong technical analytical skills and a passion for problem-solving. Seeking to accelerate the future growth of businesses through next-gen high performance computing applications and cutting-edge analytics.

Relevant Work Experience

July 2022 -
Present

Cognizant Servian
Data Consultant / Senior Associate
Sydney, Australia

Proven track record of successfully delivering client-based projects, spanning a wide spectrum of tasks, from managing Google Cloud Platform (GCP) machine learning operations to constructing robust data engineering pipelines and crafting insightful dashboards.

Achievements/Projects:

- *Playground.xyz*: Migration of machine learning models from AutoML to VertexAI in GCP along with the development of automation (CI/CD pipelines with GitHub actions) and infrastructure requirements (Terraform).
- *NSW Government*: Updated an existing data ETL pipeline in SAP Data Services, and extracted the loaded data via reporting tool report before an automated upload into Google Cloud Storage (GCS). Data moved to BigQuery from GCS then picked up by Tableau to form reporting dashboards. The overall pipeline was set to run on a weekly batch.
- *NRMA*: Analysis of Holidays and Parks guest data in BigQuery and of NewBook API capabilities. This led to the development of a proof-of-concept design and solution pipeline for cleansing and de-duplication of guest data.
- *Bench*: Scrum Master Certified. FPL Passion-project in Streamlit. Portfolio Website in GCP.

Aug 2021 -
July 2022

Allegis Group / Westpac Group
Senior Data Engineer
Sydney, Australia

Engaged in a critical role, providing expertise to the Westpac Group Bank as part of the Group Customer Remediation Transformation Project.

Achievements:

- My primary responsibilities centred around constructing and executing intricate data processes, as well as implementing essential business rules using Python and SQL within the Dataiku platform.
- My contribution was pivotal in aligning the system designs with the stringent requirements for credit card and mortgage customer remediations.

Sept 2018 -
July 2021

Aviva Insurance
Senior Data Scientist
Norwich, UK

Involved in several projects to drive forward data led innovation to improve the experience of insurance claims for customers and key stakeholders. My achievements were recognised with a promotion from Data Scientist to Senior Data Scientist. Aviva is one of the leading insurance companies in the UK and is consistently recognised for its analytical practices.

Achievements:

- Led a project working with the Operations Team to build and productionise four rule-based APIs to automate Aviva's end-to-end online claim journey. A claimant's cover, liability, hire, and fraud requirements are now all checked automatically, giving responses to Aviva's claim handling system. The APIs were developed using Python in a Dataiku software environment hosted on Amazon Web Services (AWS).
- Development of predictive models using machine learning techniques.

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- Built an end-to-end system in Dataiku to obtain the estimated repair cost of vehicles at first notification of loss.

Education and Qualifications

- 2017 - 2018** **University of East Anglia, UK**
MSc Knowledge Discovery and Datamining
Distinction
- Gained theoretical and practical experience in data science and machine learning, applying decision trees, random forest and regression models to projects.
 - Programmed my own music player graphical user interface using Java code. The finished product could make playlists, shuffle songs and view album artwork.
 - Enjoyed learning the R language in the Applied Statistics module. The module taught me the importance of functions within coding languages such as R and Python as well as the benefit of statistical methods within data analytics.
 - Concluded the year by carrying out a research project on the Modelling of Option Pricing. The project involved building a Black-Scholes option calculator graphical user interface in Java and comparing its outputs to real-time option prices to assess the strength of the model as a pricing tool.
- 2014 - 2017** **University of East Anglia, UK**
BSc Chemistry
Upper Second-Class Honours
- Improved my analytical skills with experiments such as quantifying the amount of fluoride in a variety of toothpastes and caffeine in several coffee brands. As well as developing some introductory analysis skills, the module began to give me an understanding of basic modelling.
- 2012 - 2014** **Long Road Sixth Form College, UK**
3 A Levels: Chemistry A, Mathematics A, Design & Technology B
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Interests

- My experience with GCP at Cognizant Servian motivated me to further cultivate my expertise in this domain. As part of my ongoing professional development, I embarked on a personal project to create my own portfolio website. Leveraging GCP's versatile infrastructure, I hosted the website on GCP Cloud Storage and harnessed the capabilities of Cloud Run and Firestore components to build an incremental viewership counter. This initiative not only enriched my GCP proficiency but also demonstrated my commitment to continuous learning and practical application of cloud technologies.
 - Further applying my data analytics skills, I enjoy learning new and emerging data science techniques. This includes building a script to scrape English Premier League football data to train a machine learning algorithm and then predict player performances. I also used the collated data to build an interactive dashboard in the Python package Streamlit, allowing easy use and access to transformed data.
 - I play regularly in a local football league and have captained teams to county competitions in the past. I enjoyed competing for both rugby and rowing teams while studying at University. Living in Sydney, I have also recently picked up surfing and have recently moved from a starter foam board to a hard board.
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References

Available on request