# Michael Teixeira

## Azure-Certified Data Professional | Microsoft Fabric Analytics Engineer (In Training)

**A:** North Melbourne, VIC – 3051 | **M:** 0406540421 | **E:** teixeira01michael@gmail.com
**LinkedIn:**  https://www.linkedin.com/in/michael-teixeira-66298024a/
**Website:** https://tex30.github.io/portfolio/

## Personal Profile

I'm moving from operations management into data engineering, bringing hands-on experience with data pipelines and system optimization. My path through construction, IT support, and data analysis has taught me how to build things that work reliably. I'm currently diving deeper into cloud platforms and big data tools, looking for an entry-level data engineering role where I can use my Python and SQL skills to help build data systems that power real business decisions.

## Certifications

### Microsoft Azure *(Cloud Data Platform Specialist)*
- **DP-700 -** Microsoft Fabric Analytics Engineer Associate | In Progress
- **DP-900 -** Azure Data Fundamentals | July 2025
- **AZ-900 -** Azure Fundamentals | July 2025

### Data Science & Machine Learning
- **Google Advanced Data Analytics Professional Certificate** | December 2024
- **Machine Learning Specialization - Stanford University & DeepLearning.AI** | December 2024
- **Google Data Analytics Professional Certificate** | April 2024

## Technical Skills

### Cloud & Data Platforms
- **Microsoft Azure** (Fabric, Synapse, Data Factory, SQL Database, Power BI)
- **Microsoft Fabric** (Data Engineering, Analytics, Real-time Intelligence) - In Training
- **Azure DevOps, Azure Storage, Azure Data Lake**

### Programming & Development
- **Python** (scikit-learn, Pandas, NumPy, Matplotlib, Seaborn)
- **SQL** (Advanced querying, optimization, data modeling)
- **R** (Statistical analysis, data manipulation)
- **KQL** (Kusto Query Language) - Learning

### Machine Learning & Analytics
- **Supervised Learning** (Regression, Classification, Ensemble Methods)
- **Unsupervised Learning** (Clustering, Dimensionality Reduction)
- **Feature Engineering, Hyperparameter Tuning, Model Evaluation**
- **Time Series Analysis, Statistical Computing**

### Data Visualization & BI
- **Power BI** (DAX, Data Modeling, Dashboard Development)
- **Tableau** (Advanced visualizations, storytelling)
- **Looker, Plotly, Advanced Excel**

### Development Tools & Databases
- **Git/GitHub, VS Code, Jupyter Notebook, Azure Portal**
- **MySQL, PostgreSQL, MongoDB, Azure SQL Database**
- **ETL/ELT processes, Data Pipeline Development**

## Education

**Graduate Certificate in Data Science - GC173KP19**                    **July 2024 – July 2025**
*RMIT, Melbourne, Australia*

- Mastering advanced machine learning algorithms and statistical methods through hands-on projects using Python and R
- Developing expertise in deep learning frameworks, predictive modeling, and neural networks
- Implementing end-to-end data science pipelines with focus on preprocessing and model deployment
- Key coursework: Advanced Machine Learning, Statistical Computing, Big Data Analytics, Data Visualization

**Certificate IV in Information Technology**                    **2010-2013**
*Escola Secundária de Vouzela, Portugal*

- Foundation in programming fundamentals and system architecture

## Work Experience

**Operations Manager**                    **Mar 2025 – July 2025**
*Green Home Green Planet, Melbourne*

- Coordinate 100+ monthly energy efficiency installations (HWS/HVAC) under the Victorian Energy Upgrades (VEU) program, managing scheduling and compliance across multiple accredited contractor teams.
- Ensure VEU program compliance for government-regulated energy efficiency upgrades, maintaining quality standards and warranty requirements.
- Optimized payment collection workflows, reducing average collection time from 7 days to 24 hours (85% improvement).
- Oversee contractor recruitment and onboarding, managing both casual workforce and dedicated installation teams.
- Train and optimize Podium AI-powered chatbot for customer service automation, improving response times and lead conversion rates.

**Data Science & Operations Officer**                    **Dec 2024 – Feb 2025**
*Green Home Green Planet, Melbourne*

- Assisted with Azure cloud infrastructure management and daily server maintenance, providing in-house IT support for hardware/software troubleshooting
- Perform data wrangling and analysis on energy consumption and temperature data to identify correlations using Python and Excel.
- Created and implemented inventory management system in Dataforce, incorporating barcode tracking for efficient stock control.
- Audit field operations for HWS and HVAC installations to ensure quality control and compliance.
- Assist with client communications and subcontractor coordination for installation scheduling.
- Support warehouse operations through stock movement and inventory tracking using Dataforce system

## Data Science Projects

**Salifort Motors HR Analytics**                    **March 2025**
*Employee Churn Prediction*

- Developed machine learning solution for predicting employee turnover with 98.4% accuracy
- Created comprehensive end-to-end prediction system with personalized retention recommendations
- Applied advanced feature engineering and hyperparameter tuning techniques
- Technologies used: Python, scikit-learn, Pandas, Matplotlib, Seaborn

**View project details on portfolio**

**Cyclistic Bike-Share Analysis**                                                        **April 2024**

*Analysed rider behaviour data to drive membership growth for a major shared bike company.*

- Tools: R for data manipulation, Tableau for visualizations.
- Identified distinct usage patterns between casual riders and annual members.
- Recommended data-driven strategies to increase membership numbers.
- Developed interactive dashboards to visualize key findings.

## Other Employment History | Further details available upon request

- **Trading Analyst, Australia** | Self-employed | 2020-2024
- **Formwork Carpenter, Australia** | Adcon Group Australia   | 2020 -2023
- **Hybrid Fibre Coaxial (HFC) Technician, Australia** | TexGo Solutions, Pty Ltd | Jun 2017 - Dec 2019
- **Formwork Carpenter, Australia** | Wideform Pty, Ltd | 2013 -2017
- **IT Technician Internship** | Municipal Council of Vouzela (Portugal) | Apr 2013 - Aug 2013

## References

Upon request