

# Michalis Mylonas

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## WORK EXPERIENCE

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### FP Markets

Dec. 2024 – Present

*Data Engineer*

*Limassol, Cyprus*

- Designed and maintained scalable ETL/ELT pipelines in MS Fabric within a microservices-based environment
- Implemented complex business logic for fee calculation, deposit constraints, and multi-currency normalisation
- Integrated third-party APIs into a unified Data Warehouse(Azure Data Factory, Medallion Architecture)
- Optimised data models using synthetic currencies to improve performance and reduce ingestion load
- Built parameter-driven ingestion frameworks supporting dynamic schema
- Acted proactively by ensuring data integrity, validation, and consistency across production pipelines
- Collaborated with backend engineers, data analysts and stakeholders to translate business requirements into data solutions
- Monitored and troubleshoot production data workflows to ensure reliability and scalability

### Ofsted

Aug. 2022 – Dec.2024

*Data Engineer*

*Bristol, UK*

- Extensive use of Python, R and SQL in automation and digital transformation
- Used Pandas and Tidyverse for data wrangling and cleansing
- Data manipulation with Windows Server in SQL Server Management Studio
- Data pipeline execution (ELT) and code troubleshooting on Microsoft Cloud Platforms
- Improved task efficiency by 90% with Microsoft's Power Automate
- VM deployment and monitoring through Microsoft Azure
- Data management with Azure storage explorer
- Use of BASH/PowerShell with an improved efficiency of 80%
- Delivered training on reproducible analytical pipelines (RAP) and version control (Gitlab for CI/CD)

### ONS

Jun. 2020 – Aug. 2022

*Data Engineer*

*London, UK*

- Refactored code, introduced functions, packages, configuration files and parameters to simplify the execution process
- Standardised the code's format, structure and style for improved consistency, readability and maintainability
- Responsible for the development of pipelines, either as the team lead or a member of the team, in Python and R
- Version Control with GitHub in Google Cloud Platform (GCP)
- Use of JIRA and GitHub for issue tracking, version control and development
- Implemented extensive testing with unit testing (using testthat and assertthat packages in R)
- As a member of the hiring committee, among other responsibilities, I had to review resumes, select potential applicants, take part in the interviews and select who to give an offer to

## EDUCATION

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### Cardiff University

*Bioinformatics | Master's degree*

*Cardiff, UK*

- Grade: 68%

### Swansea University

*Computer Science | Bachelor's degree*

*Swansea, UK*

- Grade: 70%

## SKILLS

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Version control (GitHub and GitLab), Jira, Fabric, Databricks, ETL(Python, SQL, R), Data Warehouse, Azure Data Factory, Medallion Architecture, Team player, Team training