**Linus Austen McManamey**

**Lead Data Engineer | Azure Platform Specialist**

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**Security Clearance:** Valid Negative Vet 1

**Professional Summary**

Senior technology leader with **8+ years of expertise** in data engineering, specialising in Azure ecosystem implementations and technical leadership. **Proven track record** of delivering enterprise-scale data solutions across government agencies and major financial institutions. Deep expertise in Azure Databricks, Azure Data Factory, and modern data platform architectures with demonstrated success in mentoring technical teams and driving engineering excellence initiatives.

**Core Competencies**

* **Azure Data Platform Leadership** – Databricks, ADF, Synapse, DevOps, Fabric-ready
* **Technical Leadership & Mentoring** – Cross-functional team guidance and capability development
* **Enterprise Scale Delivery** – Government and financial services data transformations
* **Python & SQL Development** – 8+ years production experience, PySpark expertise
* **Data Architecture & Modelling** – Medallion architecture, data lakes, ETL pipelines
* **Engineering Excellence** – Automation, standardisation, governance frameworks

**Professional Experience**

**Data Migration Lead | BDNA Group**

**April 2024 – Present**  
*DPFEM – Tasmania Police Project Unify*

Leading comprehensive data migration utilising Azure data stack and medallion architecture principles for government agency cloud transformation.

**Key Achievements:**

* Architected **Azure Data Factory orchestration** across bronze, silver, and gold data layers
* Implemented **Azure DevOps, Synapse and ADF pipelines** for large-scale data transformation
* Established **Azure DevOps CI/CD practices** with Infrastructure as Code deployment
* Led **technical team mentoring** and cross-functional stakeholder collaboration
* Created comprehensive **technical documentation** and governance frameworks using Confluence

**Technical Stack:** Azure Databricks, Azure Data Factory, Azure DevOps, Python, PySpark, SQL

**Lead Data Engineer | Mantel Group**

**October 2021 – April 2024**

**Shell Australia – Arrow Energy (2023 – 2024)**

*Technical Lead for enterprise Azure data platform migration*

* Led **Azure Databricks implementation** replacing legacy SQL Server infrastructure
* Developed **PySpark applications** for T-SQL to Databricks SQL conversion at enterprise scale
* Implemented **Infrastructure as Code** using Terraform for comprehensive Azure deployment
* Established **CI/CD pipelines** using Azure DevOps with Databricks Asset Bundles
* Created **data governance framework** with Unity Catalogue and role-based access controls

**National Australia Bank (2022 – 2023)**

*Lead Data Engineer for enterprise data platform transformation*

* Led **enterprise Databricks migration** teams across medallion architecture implementation
* Architected **automated data validation frameworks** using Pytest and Great Expectations
* Designed **containerised development environments** for streamlined deployment practices
* Created **web UI frameworks** for automated data onboarding and testing
* Mentored **technical teams** on modern data engineering practices and standards

**Latitude Financial Services (2021 – 2022)**

*DataOps Team Lead for financial services data platform*

* Led **cross-functional DataOps team** implementing reporting services framework
* Developed **automated CI/CD processes** using AWS CloudFormation templates
* Established **financial services compliance** frameworks for production data pipelines

**NIB Health Insurance (2021)**

*Senior Data Engineer for healthcare analytics platform*

* Implemented **data transformation pipelines** using DBT-like methodologies on Snowflake
* Developed **predictive analytics solutions** for customer churn prediction

**Senior Data Engineer | Australian Government Department of Health**

**July 2018 – October 2021**  
*Guaranteeing Medicare Compliance Project*

**Technical Lead** for inter-agency data migration affecting national healthcare systems with comprehensive compliance and governance requirements.

**Key Achievements:**

* Orchestrated **enterprise data migration** from multiple source systems (DB2, VSAM, SAP, Teradata)
* Implemented **Apache NiFi and Kafka** solutions with PySpark processing for large-scale data transformation
* Established **Self Service Analytics portal** for government stakeholders
* Managed **regulatory compliance** frameworks across multiple government agencies
* Led **technical documentation** and knowledge management initiatives

**Technical Stack:** Apache NiFi, Kafka, Cloudera Data Platform, PySpark, Python, SQL

**Technical Expertise**

**Azure Data Platform (Core Competencies)**

* **Azure Databricks:** Enterprise implementations, PySpark development, Unity Catalogue
* **Azure Data Factory:** ETL orchestration, pipeline automation, medallion architecture
* **Azure DevOps:** CI/CD pipelines, Infrastructure as Code, automated deployment
* **Azure Services:** Synapse, Storage, Compute, Networking, Security, IAM

**Programming & Development**

* **Python:** 8+ years production experience, enterprise-scale applications
* **SQL:** Expert-level across multiple platforms (SQL Server, PostgreSQL, MySQL)
* **PySpark:** Large-scale data transformation, performance optimisation
* **Infrastructure as Code:** Terraform, ARM templates, Bicep

**Data Engineering & Architecture**

* **Medallion Architecture:** Bronze, silver, gold layer implementations
* **Data Modelling:** Dimensional modelling, data vault, modern data stack
* **ETL/ELT Pipelines:** Batch and streaming data processing
* **Data Governance:** Lineage, quality frameworks, metadata management

**Development Practices**

* **Testing:** Pytest, Great Expectations, automated validation, 95% coverage standards
* **DevOps:** Azure DevOps, GitHub Actions, CI/CD pipeline automation
* **Documentation:** Confluence, technical specifications, architecture diagrams
* **Quality Assurance:** Pre-commit hooks, code review processes, engineering standards

**Leadership & Collaboration**

* **Technical Mentoring:** Team capability development, knowledge transfer
* **Cross-functional Leadership:** Product Owners, Business Analysts, stakeholders
* **Engineering Excellence:** Automation, standardisation, governance uplift
* **Distributed Teams:** Remote collaboration, autonomous delivery

**Education**

**Graduate Diploma of Data Science**  
*Monash University* | 2020

**Graduate Certificate of Data Science**  
*University of South Australia* | 2019

**Bachelor of Computer Science**  
*University of Tasmania* | 2001

**Security Clearance & Citizenship**

* **Valid Australian Government Negative Vet 1 Security Clearance**
* **Australian Citizen with full working rights**

**Professional References**

Available upon request

*Note: Extensive Azure platform experience with proven track record of technical leadership and enterprise-scale delivery across government and financial services sectors. Ready to contribute to engineering excellence and practice maturity initiatives.*