

Kazim Musa

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Results-driven Senior Data Engineer with extensive experience in designing and implementing scalable Azure Data Lake architectures, automating data pipelines, and ensuring compliance with data governance policies. Skilled in leveraging cloud platforms like Azure, AWS, and GCP to build robust data solutions, integrating advanced tools such as Databricks, Terraform, and Azure Purview for analytics and lineage tracking. Adept at collaborating with cross-functional teams and vendors to onboard external data sources, optimize workflows, and deliver impactful insights. Passionate about driving innovation in data engineering to support organizational growth and decision-making.

Experience Summary

Role	Company	Location	Dates
Senior Data Engineer	South East Melbourne Primary Health Networks	Melbourne, Australia	November 2024 - Present
Senior Data Engineer	Wesfarmers Health	Melbourne, Australia	August 2023 - October 2024
BI Data Engineer	Australian Pharmaceutical Industries (API)	Melbourne, Australia	November 2021 - August 2023
BI Data Engineer	Keypath Education Australia	Melbourne, Australia	April 2020 - November 2021
Business Intelligence Consultant	Neo Media World	Sydney, Australia	November 2019 - April 2020
Data Analyst	Merkle Australia	Sydney, Australia	August 2018 - November 2019
Data Analyst	Steelx Pty Ltd	Gold Coast Mc, Queensland, Australia	August 2017 - August 2018

Technical Skills

Programming Languages	Python, SQL, Bash, PowerShell
Business Intelligence Tools	Power BI, Tableau, Data Studio
Data Engineering	ETL & ELT, Batch & Streaming Data Pipelines, Data Warehousing, Data Modeling
Cloud Platforms	Azure, Google Cloud Platform (GCP), AWS, Snowflake
Data Orchestration	Apache Airflow, Azure Data Factory, Databricks Autoloader, Terraform
Serverless Technologies	AWS Lambda, GCP Cloud Functions
Additional Tools	Git, Docker, Kubernetes, DBT, Informatica, Teradata, Azure Purview

Professional Experience

Senior Data Engineer | South East Melbourne Primary Health Networks

Melbourne, Australia

November 2024 - Present

- Designed and implemented a scalable Azure Data Lake Gen2 medallion architecture (Bronze, Silver, Gold layers) to support structured data processing and analytics.
- Led the setup and configuration of Azure Databricks workspaces across DEV and PROD environments, integrating with Unity Catalog and implementing data lineage via Azure Purview.
- Automated data ingestion pipelines using Azure Data Factory and Databricks Autoloader, enabling incremental load and near real-time ingestion of structured and semi-structured data.
- Established robust CI/CD workflows using Azure DevOps for infrastructure as code, job deployment, and configuration management of Azure Data Services.
- Designed secure networking with VNets, subnets, private endpoints, and firewall rules to ensure isolation and compliance across DEV and PROD subscriptions.
- Implemented RBAC and resource locks to protect critical resources and ensured adherence to data governance policies using managed identities and service principals.
- Collaborated with vendors (e.g., Notitia) to onboard external data sources (Redicase, Polar), defining connection strategies and platform responsibilities for each party.
- Instrumented Log Analytics and Azure Monitor to track pipeline health, diagnostics, and operational performance across data services.
- Developed data masking and security strategies for sensitive datasets, ensuring alignment with privacy and compliance standards.
- Produced detailed architectural documentation and operational procedures, including data governance approval flows, system diagrams, and naming conventions.

Senior Data Engineer | Wesfarmers Health

Melbourne, Australia

August 2023 - October 2024

- Worked with Snowflake for data engineering and management, including building scalable data solutions.
- Orchestrated DAGs using Apache Airflow, optimizing the workflow for data pipelines.
- Managed infrastructure and permissions through Terraform, ensuring seamless resource provisioning and access control.
- Implemented dynamic data masking for data privacy and regulatory compliance.
- Led the migration of SAP models to GCP using DBT, BigQuery, Airflow, and Cloud Run, ensuring a seamless transition and improved data processing.
- Maintained and supported legacy systems, including Teradata, Informatica, and Microstrategy, ensuring business continuity and data integrity.
- Established best practices in data management and analytics to drive insights and decision-making during GCP migration.
- Improved data workflow efficiency and team productivity by enhancing legacy systems and adopting advanced technologies.
- Leveraged AWS EMR for batch data processing and AWS DynamoDB for non-relational data management in a multi-cloud environment.

BI Data Engineer | Australian Pharmaceutical Industries (API)

Melbourne, Australia

November 2021 - August 2023

- Designed and implemented efficient data warehousing solutions to facilitate seamless data storage and retrieval.
- Managed data migration projects, transforming large volumes of data from on-premises Teradata and Informatica environments to GCP.
- Leveraged AWS S3 for secure data storage and AWS Lambda for serverless data transformations to streamline data engineering workflows.
- Integrated diverse data sources, enabling smooth data flow and facilitating comprehensive analysis and reporting.

BI Data Engineer | Keypath Education Australia

Melbourne, Australia

April 2020 - November 2021

- Analyzed and understood business requirements to identify key metrics and data sources for reporting and analysis.
- Developed and maintained data models and structures to support BI reporting and visualization tools.
- Created and optimized ETL (Extract, Transform, Load) processes to ensure accurate and timely data integration from various sources into the BI system.
- Utilized AWS Glue for ETL processes and AWS Redshift for data warehousing to enhance data integration and reporting capabilities.

Business Intelligence Consultant | Neo Media World

- Worked closely with clients to understand business needs, translating them into effective BI solutions.
- Designed and implemented data models, dashboards, and reports using Power BI, Tableau, and Data Studio.
- Provided guidance on data visualization best practices to ensure reports effectively communicated insights.

Data Analyst | Merkle Australia

Sydney, Australia

August 2018 - November 2019

- Collected and analyzed data from various sources to identify trends, patterns, and insights that informed business decision-making.
- Developed and maintained reports, dashboards, and visualizations to effectively communicate data insights to stakeholders.
- Conducted statistical analysis and data modeling to support predictive analytics.

Data Analyst | Steelx Pty Ltd

Gold Coast Mc, Queensland, Australia

August 2017 - August 2018

- Assisted in data collection, cleaning, and validation processes to ensure data accuracy and reliability.
- Conducted data analysis using tools such as Microsoft Excel, SQL, and Python to identify trends and insights.
- Prepared reports and visualizations to effectively present data findings to stakeholders.

Education

Master of Information Management System - Data Science

La Trobe University

2015

Bachelor of Engineering (B.E.), Computer Science and Engineering

Bangalore Institute of Technology

2012