

Kingsley Amoah

Newcastle, NSW 2300
0415 050 301
kinny63@gmail.com

Professional Summary

Results-driven Power BI Developer with over 3+ years of experience as a Data Analyst, specializing in transforming complex datasets into actionable insights through advanced data modeling, DAX, and interactive dashboards. Proven ability to collaborate with stakeholders, optimize reporting performance, and deliver scalable BI solutions across diverse industries including finance, transportation, and insurance. Strong expertise in Microsoft BI stack, SQL, and cloud-based data platforms.

Core Skills and Tools

- **ETL Tools:** Azure Synapse, Azure Data Factory, Databricks, SSRS/SSIS
- **Data Modelling:** Star Schema, Snowflake Schema, Fact & Dimension Modelling, Semantic Layers.
- **Data Analysis & Visualization:** Power BI, Excel, Matplotlib.
- **Programming Languages:** Python, SQL
- **Cloud Platforms:** Microsoft Azure, Microsoft Fabric, Google Cloud
- **Database Technologies:** SQL Server, Teradata, MySQL, PostgreSQL, MongoDB
- **Data Warehousing:** Azure Data Lake, Google BigQuery, Snowflake
- **Machine Learning & AI:** Python (Scikit-learn, TensorFlow), R, MATLAB
- **Financial & Analytical Tools:** Advanced Excel, Power Apps, Google Analytics
- **Business Intelligence:** Data modelling, Predictive Analytics, and KPI reporting
- **ERPs and CRMs:** Microsoft Dynamics 365, TechnologyOne, Salesforce, Genesys cloud, Enlighten OPEX, Horizon

Professional Experience

Data Analyst |

Maitland City Council

November 2024 – June 2026

- Led ERP data migration analytics initiatives, leveraging Power BI to validate and monitor data quality, achieving 98% data integrity and reducing post-migration discrepancies to under 2%.
- Designed and implemented ETL pipelines using Azure Synapse and PySpark, transforming raw data into analytics-ready datasets optimized for Power BI reporting, improving load efficiency by 40%.
- Developed Power BI data models (star schema) and validation frameworks, ensuring high data accuracy, consistency, and audit compliance across enterprise reporting.
- Partnered with business stakeholders, analysts, and ERP consultants to translate reporting requirements into interactive Power BI dashboards, reducing operational downtime during system cutover by 30%.
- Created comprehensive data dictionaries, semantic models, and documentation to support scalable Power BI development and streamline onboarding for analytics teams.
- Data Quality Assurance – Built validation scripts and reconciliation reports to verify data accuracy, and integrity pre- and post-migration.
- Migration Test Cycles – Supported multiple mock and trial migrations, analyzed discrepancies, and applied corrective actions to meet cut-over readiness criteria.
- Performance Optimization – Tuned queries, ETL jobs, and staging processes for faster load times and reduced downtime during migration windows.
- Stakeholder Collaboration – Worked closely with business analysts, ERP consultants, and functional teams to align migration requirements with operational workflows.
- Issue Resolution & Root Cause Analysis – Investigated and resolved migration defects, ensuring traceability of changes and adherence to project timelines.

Data Reporting Analyst

Teachers Health Fund, Sydney

Aug 2023 – September 2024

- Designed and developed interactive Power BI dashboards and reports to support executive decision-making, improving reporting efficiency, data accessibility, and business performance visibility.
- Built and maintained scalable data models, including fact and dimension tables, applying star schema design principles to optimize reporting performance and usability.
- Developed complex DAX measures, calculated columns, and KPIs to deliver actionable business insights across operational and financial reporting domains.
- Extracted, transformed, and analyzed data from multiple enterprise data sources including Teradata, SQL Server, Excel, and REST APIs, integrating datasets into unified reporting solutions.
- Wrote and optimized SQL queries in Teradata and SQL Server to retrieve, validate, and reconcile large volumes of healthcare and business data for reporting and analytics purposes.
- Performed data profiling, validation, and quality assurance activities to ensure data accuracy, consistency, and compliance with business rules.
- Managed Power BI Service environments, including workspace administration, data refresh scheduling, row-level security (RLS), and deployment of enterprise reporting solutions.
- Collaborated with business stakeholders to gather requirements, translate business needs into technical solutions, and deliver reports aligned with strategic objectives.
- Supported self-service BI initiatives by creating reusable datasets, semantic models, and reporting standards that improved user adoption and reporting governance.
- Conducted performance tuning of queries, data models, and reports to improve dashboard responsiveness and reduce report execution times.

Data Analyst Intern

Transdev John Holland, Sydney

May 2023 – Aug 2023

- Assisted in building Power BI dashboards for operational and performance reporting
 - Performed data extraction and transformation using SQL and Excel
 - Supported ETL processes and improved data pipeline efficiency
 - Conducted data validation and ensured consistency across reporting outputs
 - Collaborated with senior analysts and engineers to enhance reporting solutions
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Key Projects

Enterprise Reporting Dashboard

- Developed an end-to-end Power BI solution integrating multiple data sources
- Implemented star schema data modeling for optimized performance
- Created dynamic dashboards enabling real-time business insights

Data Pipeline Optimization

- Worked with data engineers to enhance ETL workflows
 - Reduced report refresh time and improved dataset performance
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Education

Master of Information Technology Systems (Analytics)

Master of Professional Accounting

Certifications

- Google Analytics Certification
 - Oracle Database Certification
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Additional Information

- Strong communication and stakeholder management skills
 - Ability to work with large datasets and deliver high-performance BI solutions
 - Passionate about data-driven decision making and continuous learning
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References

Available upon request