**Sharan Chakradhar Madduri**

• KEDRON, QLD 4031 • 0431 410 188 • sharanchakradhar@outlook.com

**Professional Summary**

Data Engineer and Analyst with 8+ years of experience in optimising business processes and delivering data-driven insights through advanced data solutions. Proficient in Power BI, SQL, and Azure technologies, with a demonstrated ability to support business improvement initiatives by analysing complex data sets and providing operational advice. Skilled in developing scalable data pipelines, reporting systems, and cloud-based data solutions to streamline operations and enhance decision-making. Adept at facilitating clear communication between technical teams and stakeholders, ensuring the successful implementation of system enhancements and data solutions. Seeking to contribute my expertise in data analysis to support strategic goals and system improvements.

**Skills**

|  |  |
| --- | --- |
| * ****Database Management****: Azure SQL Database, MS SQL Server & Administration, Performance Tuning, RDBMS, Performance Enhancement, Monitoring and Alerting * ****Data Solutions and Reporting:**** Microsoft Excel, SSRS, SSAS, SSIS, Tableau, Power BI, MS Purview, Crystal Reports * ****Data Processes:**** Database Migration, Data Synchronisation, Data Pipeline Design, Data Integration, Data Warehousing, Data Modelling, Data Mining, Metadata Management, Data Quality Assurance, Data Quality Checks, Database Testing, Data Governance, Data Acquisitions, Data Modelling, Data Repositories | * ****Programming Languages:**** Pyspark, Rust, SQL * ****Cloud Services:**** Microsoft 365, Azure, Azure Resource Manager, Azure Backup, Azure Blob Storage, Azure Data Factory, Azure Databricks, Azure Synapse Analytics, ADLS Gen 2, Azure Fabric * ****Soft Skills:**** Problem-Solving, Attention to Detail, Collaboration and Communication, Business Consultation, Business Process Understanding, Stakeholder Management * ****Technical Support:**** Active Directory, Helpdesk Support, Technical Troubleshooting, User Training, IT Hardware & Software Support |

**Certifications (In Progress)**

* **Microsoft Certified: Azure Data Engineer Associate (DP-203) –** In Progress
* **Microsoft Certified: Power BI Data Analyst (PL-300) –** In Progress

**Work History**

System Administrator

Quad Energy Solutions Pty Ltd – Sydney/Brisbane, Australia.

* Provided operational advice on application enhancements, improving data processing times by 30% through the design and execution of scalable data pipelines using Azure Data Factory.
* Developed and optimised Power BI dashboards and reports, reducing manual reporting time by 25% and improving report accuracy by 20%, contributing to enterprise-wide business outputs.
* Facilitated changes in business processes by delivering clear and concise communications to stakeholders, ensuring system alterations met business expectations and operational goals.
* Gathered and documented system requirements from stakeholders, enhancing process efficiencies by 10% through the development of automated data workflows.
* Reviewed documentation for system changes to ensure compliance with business requirements, specifications, and efficient deployment of application configurations.

Mobile App Developer

Kings Own Institute; UNI Project – Sydney, Australia.

* Led the development of a cross-platform mobile application using Flutter and Flutterflow, integrating backend services with Supabase.
* Designed and implemented core features including user authentication, chat system, follow system, calendar integration, and loyalty system.
* Conducted rigorous testing, debugging, and provided comprehensive documentation and technical support, ensuring smooth deployment and adoption of the mobile application.
* Developed and maintained comprehensive training materials and user guides to facilitate smooth on-boarding and effective use of the application by stakeholders.
* Stayed abreast of emerging technologies and best practices in mobile app development to drive continuous improvement and innovation.

Database Analyst/Administrator

Essilor Australia Pty Ltd – Sydney, Australia.

* Designed and created end-to-end data pipelines using Azure Data Factory (ADF) for data orchestration from on-premises to Azure SQL Server, and developed and deployed high-performance ETL pipelines with PySpark and ADF
* Worked with Azure BLOB and Data Lake storage, loading data into Azure SQL Synapse Analytics. Transformed and copied JSON files from Data Lake Storage into Synapse Analytics tables using Azure Databricks. Developed Spark applications using PySpark and Spark-SQL for data extraction, transformation, and aggregation.
* Built Spark Streaming applications to perform real-time analytics on streaming data and used Spark SQL to query, aggregate, and output data to visualisations such as Power BI.
* Onboarded and migrated new applications from on-premises environments, created alerts and environments in Azure, assisted in release management, and participated in checkpoint /daily /catch-up calls.
* Used monitoring tools such as Splunk and Azure AppInsights to create dashboards and alerts and upgrade systems.
* Built and maintained end-to-end data pipelines using Azure Databricks, optimising performance and ensuring data reliability.
* Created Spark applications for real-time analytics, enhancing data processing efficiency.
* Automated data processes and workflows, reducing manual intervention and improving production efficiency by 20%.
* Partnered with stakeholders to understand data needs and deliver appropriate solutions, improving overall data utilisation.

Sr. Product Administrator

Essilor India (P) Ltd – Bangalore, India

* Managed the administration and configuration of product databases, including performance tuning, backup and recovery, and security management
* Designed and implemented database schemas, stored procedures, and functions to support product features and functionality
* Led the migration of product databases to new platforms, ensuring data integrity and minimal downtime during the transition process
* Developed extensive stored Procedures and database objects.
* Developed and maintained documentation for database systems, including architecture diagrams, data dictionaries, and standard operating procedures
* Implemented database monitoring and alerting systems to proactively identify and address performance issues and system outages
* Provided technical support and training to cross-functional teams on database usage, performance tuning, and best practices.

Customer Support Engineer

Processware Systems (P) Ltd – Bangalore, India

* Provided technical support to clients on software products, troubleshooting issues related to database connectivity, SQL queries, and application functionality.
* Assisted in the installation, configuration, and maintenance of database systems, including SQL Server and DB2.
* Conducted training sessions for clients on software usage, database management best practices, and SQL query optimisation.
* Documented customer-reported issues and solutions in a knowledge base system for continuous improvement.

**Education Qualifications**

* **Bachelor of Information Technology** - Kings Own Institute at Sydney, Feb 2024.
* **Diploma in Computer Engineering** - Nettur Technical Training Foundation at Bangalore, Feb 2011.