Sant Das

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Highly skilled Data Engineer with 7+ years of experience in developing, implementation and optimization of data plumbing systems and ETL/ELT processes. Experienced in bridging business requirements with technical solutions through tools including Microsoft SQL Server and Power BI dashboards. Skilled in data engineering, data pipelines, data modelling, business intelligence and providing mentorship with strong problem-solving skills and effective communication contribute to successful project outcomes and business satisfaction.

Key Skills Summary

Skills	Type
Programming Languages	SQL, DAX, HTML, Java, C++, Python
Operating Systems	Windows (10, XP, Vista), Linux, macOS,
Software & Systems	Azure Data factory, Informatica PowerCenter, Microsoft Power BI, Tableau Reader, MS SQL Server, MS (Office, Excel, PowerPoint), Atlassian toolsets (JIRA & Confluence), Azure DevOps, Workday, ServiceNow, Oracle, Power BI Cloud, Power Query, Power BI RS, Power BI Service, Visual Studio 2019, Azure DevOps GIT, SSRS, SSIS, SSAS, GitHub, Bitbucket

Work Experience

Snr Specialist Cyber Insights &Analytics   **Aug 2024 – Current**
Transport For NSW, Sydney

Achievements:

- Received Certificate of recognition from TfNSW for uplifting the Cyber DataMart transformation and analytics.
- Developed interactive Power BI dashboards showcasing Cyber vulnerability trends and Incidents reports, which translated business requirements into actionable insights for stakeholders.
- Recognized as a team player and problem solver for collaborating effectively with teams and resolving data integration challenges.
- Recreated the Cyber Power BI workspace and automated the data flow from SharePoint files to Logic Apps, ensuring seamless integration and transformation of data into SQL using pipelines.

Roles:

- Designed and implemented data pipelines using Azure Data Factory, while utilizing Azure Blob Storage and Logic Apps to integrate, transform and format data from ServiceNow and Qualys API into the Cyber DataMart, ensuring accurate and efficient data loading.
- Collaborated with Directors to gather project requirements and translate them into technical specifications, ensuring data visualisation aligned with business goals and were delivered efficiently.
- Used Azure DevOps for Continuous Integration and Deployment (CI/CD) to streamline the deployment process, ensuring seamless and automated updates to data pipelines and reporting solutions.
- Wrote and optimised complex SQL queries and stored procedures to ensure proper data extraction, transformation, and handling for analytics, ensuring accurate reporting and business intelligence.
- Provide monthly data loads as part of ongoing BAU tasks, ensuring timely and accurate updates to the data pipeline and Power BI dashboards.
- Independently conducted data discovery in the Cyber domain by analysing data pipelines, SQL queries, and data flow from source to target, gaining insights into Cyber dashboard and enhancing data driven decision-making.

Data Engineer   **Aug 2023 – June 2024**
Challenger Limited Sydney, Australia

Achievements:
- Implemented SSAS Model and Power BI Dashboards: Initiated the development of SSAS models from scratch, integrating all performance dimensions and facts. Subsequently, crafted intuitive Power BI dashboards to present Monthly Performance Reports Metrics, offering detailed insights into unit trust/mandate performance per month and across sectors, including lists of held stocks, enhancing data accessibility and insight by streamlining the data modelling and reporting process.
- Received the **CEO Award as the Challenger Team Winner** for outstanding performance in the Life Balance Sheet Project.
- Enhanced performance in Life Benchmark process by optimizing Informatica ETL code, resulting in a 30-minute time savings everyday via JAMS scheduling tool.

Roles:
- Build and maintain SQL scripts and understand complex data solutions and database queries for data analysis and extraction.
- Create Informatica mappings using the PowerCenter designer, respective workflows and worklets using the Workflow manager to extract, transform, clean and load source data from various heterogeneous sources to the associated Facts and Dimensions.
- Utilise Microsoft SQL Server, Oracle, data warehousing programs, Tableau, and data visualisation tool such as Power BI reports, Tableau reader for business intelligence and analysis.
- Have knowledge of working with Python and libraries such as Pandas and NumPy to convert source files into data pipeline-compatible formats for efficient data loading.
- Designing and implementing Microsoft Power BI dashboards and SSAS data models to empower Finance, Sales, and Customer Servicing teams with actionable insights.

Focused on delivering tailored analytics for financial processes including Profit & Loss (P&L), Balance Sheets, and Journals.

- Deep understanding of agile methodologies and the challenges, co-ordinate with the Scrum master & development/QA teams to ensure resource allocations.
- Prepared Change request document to move the mappings from development to testing and then to production repositories.
- Experience in Error handling, debugging, error loading for production support using SSIS.
- Familiar with Oracle PL/SQL scripting and data structures; worked closely with cross-functional teams to retrieve and manipulate data from Oracle DBs during ETL development.
- Understanding of stored procedures, views scripting for complex business logic. Extensively used joins and sub queries for complex queries involving multiple tables from different databases.
- Perform Data Analysis from various source systems using SQL's, unwinding the logic from stored procedures, ETL Mappings etc.
- Proficient in utilizing version control systems such as GitHub and BitBucket to ensure organized code configurations and streamline Continuous Integration/Continuous Deployment (CI/CD) processes.
- Expectational analytics and problem-solving skills, quick learner, attention to details and good team player with the ability to communicate effectively across all levels of the development process.

Business Intelligence/Data Warehouse Developer
Challenger Limited, Sydney, Australia

Sep 2021 – July 2023

Achievements:

- Created a comprehensive report with calculated columns and measures in SSAS mode, followed by a Power BI report. The report provides users with detailed ESG analytics and trends on Fidante funds and mandates, including MSCI ESG Ratings, carbon emissions, and revenue exposures, enabling insights into both current and historical periods. Implemented row-level security for each boutique, ensuring exclusive access to their portfolios.
- Enhanced user interaction and accessibility in the CLC Balance Sheet Power BI report by relocating the BalanceSheetCode filter from the hidden Slicer panel to the Control page. Synchronised the filter across all pages, and updated bookmarks and page navigation tiles. Received UAT signoff, validating the successful implementation and ensuring an improved user experience.

Roles:

- Use ETL methodology for supporting data extraction, data cleaning, profiling, transformations and loading processes using Informatica PowerCenter.
- Good knowledge of Entity-Relationship concept, facts and dimensions tables and Star schema dimensional modelling.
- Participating in data governance committees or working groups to review and approve data access requests, data definitions, and data classifications.
- Design and development of ETL pipeline in Informatica PC to process data ingestion and make them available in Downstream systems.

- Testing, debugging and correcting errors and bugs in Microsoft SQL database, Informatica PowerCenter and JAMS applications within established testing strategies, guidelines, and standards to confirm programs and applications perform to specification.
- Understood business requirements in the BI context and designed data models to transform raw data into meaningful insights.
- Utilized Python to read CSV source file loading to MS SQL and applied operators like for and while loops in university coursework for algorithm development.
- Provide on-call production support for data platform applications, involved in system unit testing and integration testing.

Junior Analyst   **Mar 2018 - Aug 2021**
Challenger Limited, Sydney, Australia

- Identified and resolved the data type inconsistencies between the source and the target system using the mapping documents.
- Maintain effective communication with non-technical users.
- Created a relational database system to store and analyse business data from multiple sources such as Workday APIs, Dimension, Salesforce etc.
- Leading and managing full software development life cycle (SDLC) including analysis, design, implementation, and deployment for change management request.
- Performed normalization of database to reduce data redundancy and improve performance.
- Resolved support tickets using ServiceNow for incidents, problems, requests, and changes promptly, ensuring exceeding customer expectations.
- Gained experience by maintaining the internal data warehouse and write SQL queries, design and implemented tables, functions, or views.

Education

Bachelor of Science in Information technology Diploma in   **July 2015 - Nov 2019**
Information Technology Professional Practice
University of Technology Sydney (UTS), Sydney, Australia
Achievements

- Achieved Overall WAM: 74.62%
- Distinction in Project management and the Professional (Requirement, gathering & analysis, ERD) and Credit in Database Fundamentals (SQL) subjects.
- Awarded with UTS: IT/Scholarship which gave me chance to work in the professional IT world.
- Achieved the "UTS: FEIT/Best Interaction Design Concept" certificate.

Professional Certificates

- **Microsoft DP-900T00- Microsoft Azure Data Fundamentals & Fabric** (Lumify work, Sydney)

- **Microsoft PL-300T00-Microsoft Power BI Data Analyst** (DDLS, Sydney)

Core Skills

- ➢ **Communication:** The current role showcased effective business writing skills when translating technical reports to ensure clarity for a non-technical audience.

- ➢ **Time management skills:** Successfully managed and addressed multiple requests from internal users, implementing efficient strategies to complete tasks in a timely manner.

- ➢ **Attention to detail:** Strategically planned and maintained a keen awareness of details to overcome challenges, meet deadlines, and achieve objectives effectively.

- ➢ **Analytical Thinking:** Proficiently analysed large volumes of data to identify trends, presenting findings in a clear and understandable manner.

- ➢ **Cooperation skills:** Integrate into all team situations easily and comfortably, possessing a personable nature that is open to teamwork and cooperation.

References

On Request