

Results-driven Senior Data Analyst with 5 years of experience across the Health, Media, Insurance, and Transportation industries. Skilled in managing large-scale projects and collaborating with cross-functional teams to monitor data quality, optimize workflows, and mitigate performance issues in structured and unstructured data. Adept at developing detailed reports and interactive dashboards that drive operational insights and efficiency.

Proficient in SQL, Python, Excel, and Power BI, leveraging a combination of data analytics and visualization tools to enhance decision-making, drive cost savings, and foster a culture of continuous improvement. Experienced in Software Engineering concepts and Agile Scrum methodology, ensuring seamless communication with both technical and non-technical stakeholders. Successfully managed two high-dependency projects under tight deadlines, delivering efficient and impactful client solutions.

## TECHNICAL SKILLS

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**Databases & Big Data Technologies:** Microsoft SQL Server, PostgreSQL, Oracle, MongoDB, Spark, NoSQL

**ETL Tools:** SQL Server Integration Services, SQL Server Reporting Services, Power BI, Azure ETL

**Tools & Frameworks:** R studio, S3, Pandas, PowerPoint, Advanced Microsoft Excel, Data Modeling, Data Warehousing

**Programming Languages:** SQL, PL/SQL, R, Python, HTML/CSS, MS SQL, T- SQL, Python, JAVA, Database Tuning

**Management Tools & IDE:** MS Visual Studio, VS Code, Eclipse, SSMS, TFS, GitHub, JIRA

**SDLC Methods & Others:** Agile Scrum, Data Models, Project Management, SharePoint, MS Visio, Collibra

## FREELANCING EXPERIENCE

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### Data Analyst & Consultant

**March 2024 – Present**

- Developed custom KPIs tailored to specific business needs, enabling precise tracking and reporting on key business metrics that directly impacted strategic decision-making.
- Analyzed and complied over 40,000+ instances of customer feedback and created advanced Power BI dashboards to visualize customers experience metrics, including customer satisfaction scores, product performance ratings, and sentiment analysis.
- Built forecasting models in Python with 82% accuracy to support the financial budgeting and analyzed seasonal trends.
- Managed a Snowflake data warehouse, optimizing data storage and retrieval processes to enhance performance by 25%.
- Assisted in building and maintaining slowly changing dimensions within Snowflake to support historical data tracking. This improved data accuracy by 25%, preserving records enhancing data quality for analysis.
- Implemented data validation and error-checking mechanisms to ensure high data quality and consistency
- Developed CI/CD pipelines, reducing ETL deployment time by 40% and ensuring reliable data solutions.
- Applied advanced data modeling techniques to structure and organize data within the data warehouse, which improved data quality, consistency, and ease of access for analysis.
- Complex SQL Joins and Aggregations: Implemented complex SQL joins and aggregations to create comprehensive data sets for analysis, supporting deep dives into business performance and customer behavior.

## INDUSTRIAL EXPERIENCE

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### ACCENTURE - Application Development Senior Analyst

April 2020 - November 2021

- Engineered 50+ optimized Stored Procedures for ETL processes using T-SQL, Aggregate Functions, CTEs, Dynamic SQL, and efficient JOINS, reducing data processing time by 50% and improving data accuracy by 20%.
- Designed and implemented data transformation pipelines with Change Data Capture (CDC) for real-time data updates, optimizing ETL workflows for efficiency and precision.
- Developed and deployed robust Data Warehouses, aligning with business needs and reducing query processing times by 20%.
- Applied advanced SQL tuning techniques, including index optimization, query rewriting, and execution plan analysis, streamlining database operations and increasing data processing efficiency by 35%.
- Engineered Azure Data Factory ETL solutions, leveraging Spark for distributed data processing, ensuring optimized data ingestion and transformation.
- Implemented parallel execution strategies with multi-threading and distributed computing, optimizing processing overhead and scalability.
- Tracked and documented data lineage for critical business processes, ensuring transparency and traceability of data flows.
- Facilitated user documentation of project workflows, translating business requirements into technical specifications, improving the accuracy of project deliverables by 25%.
- Conducted knowledge transfer sessions for junior analysts, enhancing team proficiency in SQL performance tuning and Power BI dashboard development.
- Automated data processing and reporting using Excel functions (PIVOT, VLOOKUP, INDEX MATCH) and Python libraries (Pandas, NumPy) to streamline large-scale data analysis.
- Developed logging functionality to track system events, job executions, and user interactions, ensuring effective troubleshooting and auditing.
- Crafted project presentations and demonstrations, collaborating with the team for constructive feedback and process improvements.
- Defined accurate sprint activity estimates, identifying potential bottlenecks during daily stand-ups and retrospectives.

### ACCENTURE - Application Development Analyst

April 2018 - March 2020

- Partnered with UI developers to optimize responsive components, decreasing load times by 30% and enhancing user engagement.
- Optimized business rules using JavaScript, improving data filtering performance and execution time by 20%.
- Engineered 20+ complex SQL queries for ETL workflows, integrating advanced statistical techniques for comprehensive data analysis using Python (Pandas, NumPy, SciPy).
- Debugged front-end web pages for the Disney project using SQL Server Management Studio (SSMS) and T-SQL, ensuring seamless database interactions.
- Analyzed and manipulated front-end elements using HTML and CSS, streamlining debugging and troubleshooting.
- Proficient in developing ETL logic using Azure Data Factory and SSIS (SQL Server Integration Services), orchestrating data workflows efficiently.

- Skilled in crafting SQL queries and Stored Procedures within Azure Synapse Analytics (Data Warehouse) and Azure SQL DB for optimized data retrieval and manipulation.
- Ensured adherence to data governance standards through data quality rules, ensuring data integrity during transformation processes. Demonstrated adaptability to changing requirements, incorporating frequent code changes based on evolving data sources and client needs.
- Developed and rigorously tested ETL packages for seamless data transformations and migrations across diverse environments.
- Designed scalable Data Warehouse Architecture for AON Retiree Health Solutions, optimizing data integration and reporting processes.
- Implemented robust error logging within SSIS packages to track and resolve data flow errors promptly. Configured mailing tasks within SSIS packages to notify stakeholders in case of package failures or integration issues.
- Leveraged Microsoft SQL Server and SSIS technologies for ETL processes, optimizing data processing performance and ensuring data integrity throughout the lifecycle.

#### **ACCENTURE - Application Development Associate**

**September 2017 - March 2018**

- Streamlined Data retrieval with complex T-SQL queries, Database objects and SSIS packages, increasing performance by 50%.
- Adopted Agile methodology in the software development lifecycle (SDLC), participating in sprint planning, daily stand-ups, and iterative testing to deliver high-quality code.
- Engineered an Oracle database to accommodate information for 2 million sellers on Amazon Marketplace and created an automated ETL process for seamless data integration, resulting in savings of over 40 hours of monthly manual work.
- Executed complex PL/SQL queries to retrieve seller information from the Oracle database for in-depth data analysis.
- Automated monthly performance assessment reports using Excel VBAs and Macros for employee evaluation.
- Experienced in version control using TFS (Team Foundation Server), maintaining code history for collaboration and code management.

#### **ACADEMIC PROJECTS**

##### **Institutional Data History Maintenance:**

**August 2023 - December 2023**

- Pioneered a Python-based OCR pipeline, leveraging Tesseract OCR to automate text extraction from PDF documents.
- Constructed a Flask web service to facilitate PDF uploads, orchestrate OCR processing on uploaded files, and manage output.
- Streamlined OCR workflows by integrating Google Colab and Google Drive for seamless processing and storage of extracted text.

##### **IOS Application :**

**January 2023 – April 2023**

- Built an IOS App to explore the University using functionalities like Maps and Mailing Feature.
- Implemented Database, User login Authentication and Security using Firebase as Back-end Tool.

#### **EDUCATION**

**Master of Science in Computer Science, Northwest Missouri State University, MO – 6446**

**December 2023**

**Bachelor of Engineering, Visveswaraya Technological University, Bangalore, India.**

**July 2017**