

SUMMARY

Data Engineer & Data Analyst with 3+ years of experience leveraging data to inform strategic decision-making and optimize business performance. Demonstrated expertise in statistical analysis, data modeling, and predictive analytics, with proficiency in Python, SQL, Excel, and advanced visualization tools including Tableau and Power BI. Adept at translating complex datasets into intuitive dashboards and actionable insights, fostering data-driven cultures across cross-functional teams. Recognized for streamlining reporting processes, uncovering growth opportunities, and enhancing operational efficiency through rigorous data interpretation and stakeholder alignment.

SKILLS

Programming & Scripting: SQL | Python (pandas, NumPy, matplotlib, seaborn) | Excel (Advanced Formulas, Pivot Tables, VBA Macros)

Data Analysis & Statistics: Exploratory Data Analysis (EDA) | Descriptive & Inferential Statistics | A/B & Hypothesis Testing | Trend & Variance Analysis | KPI Tracking | Root Cause Analysis

Databases & Data Warehousing: MS SQL Server | PostgreSQL | MySQL | Oracle | T-SQL | PL/SQL | Snowflake | Amazon Redshift

Data Visualization: Power BI | Tableau | Excel Dashboards | Interactive Dashboard Development

Data Management & ETL: Data Cleaning | Transformation | Validation | ETL Workflow Development | Data Lineage & Audit Trails | Data Modeling (Star & Snowflake Schemas)

Compliance & Data Governance: HIPAA Compliance | PHI/PII Handling | Data Privacy & Security Standards | Regulatory Reporting | Compliance Documentation | Data Access Controls

Cloud & Big Data Tools: AWS (S3, Redshift, Athena) | Hadoop | Apache Spark

Business & Domain Analytics: Healthcare Claims | Clinical Data Analysis | Provider Performance Tracking | Cost Optimization | Utilization Metrics | Operational & Financial Reporting

Project Tools & Methodologies: Git | JIRA | Confluence | Agile/Scrum | SDLC | Stakeholder Requirements Gathering

Soft Skills: Cross-Functional Collaboration | Stakeholder Communication | Data Storytelling | Critical Thinking | Problem Solving

EXPERIENCE

Aptech Staffing, TX

Feb 2025 – Present

Data Engineer (Remote)

- Cut weekly manual reporting time by 40% across multiple business units by designing and deploying 12+ Power BI dashboards to monitor client utilization, operational KPIs, and cost metrics.
- Identified \$3.5M+ in annual savings by extracting and analyzing 15M+ records from Redshift and other data sources to pinpoint inefficiencies and optimization opportunities.
- Increased program participation rates by 12% in targeted programs through A/B testing of outreach and engagement strategies across multiple regions.
- Reduced data refresh latency by 65% and enhanced compliance dashboard accuracy by building automated ETL pipelines in Python and SQL to clean, transform, and validate incoming datasets.
- Enabled proactive, high-priority outreach by integrating multi-source datasets (transactional, operational, and external partner feeds) into predictive models.
- Lowered rework by 9% in Q1-Q2 through root cause analysis reports uncovering data discrepancy patterns and driving targeted process improvements.

Webster University, MO

Feb 2023 – Dec 2024

Data Analyst

- Enabled performance benchmarking by developing 8+ Tableau dashboards visualizing employment trends, workshop participation, and student success metrics across multiple departments.
- Improved institutional reporting accuracy by processing and validating 10M+ rows of data from Handshake, Workday, and internal student records, and implementing KPI tracking for 25+ career readiness metrics supporting accreditation requirements.
- Reduced data preparation time by 60% and enabled daily refresh cycles for 4+ core performance dashboards by automating ETL workflows in Python and SQL, supported by Snowflake dimensional models for self-service analytics used by 100+ academic and administrative staff.
- Ensured FERPA compliance by creating audit trails for sensitive student data access and processing, while conducting statistical and root cause analysis on engagement gaps that improved event participation and resource utilization by 15%.
- Increased participation rates and employer partnerships by producing quarterly (Q1/Q2) analysis reports on student engagement and career placement, leading to targeted interventions.

Spell Innovations Pvt. Ltd, Nepal

Sep 2020 – Jul 2022

SQL Developer / Data Architect

- Architected and maintained scalable healthcare data platforms supporting 10K+ daily transactions, ensuring high availability, performance, and HIPAA compliance.
- Designed star and snowflake schemas integrating clinical, claims, and operational datasets to enable advanced analytics for provider performance, patient demographics, and claims cost trends.
- Developed 150+ stored procedures, optimized queries, and ETL components in SQL Server and PostgreSQL, reducing query execution time by 70% on datasets exceeding 100M+ records.
- Delivered 30+ SSRS and Power BI reports for claims processing, eligibility checks, and pre-authorization workflows, enhancing operational and financial visibility.
- Increased data accuracy and reduced downtime by implementing ETL validation frameworks, conducting root cause analysis, and resolving 98% of batch failures within SLA windows in collaboration with U.S. and offshore teams.

EDUCATION

Master of Science in Data Analytics

Webster University | Saint Louis, MO

Aug 2022 – Dec 2024

Bachelor of Technology in Information Technology

Sharda University | Delhi NCR, India

Aug 2016 – Jul 2020