William Gerstung

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Summary

Efficient and experienced professional with proven knowledge of ETL, Database Management, Security, and Cloud Services. Aiming to leverage my abilities to successfully fill the Data Engineer role on your team.

Experience

Gibson Consulting | Chicago, IL
Data Engineer | 11/2023 - Present

- Lead data engineering initiatives for implementation projects with potential client savings of ~$35 million, managing end-to-end technical architecture and client deliverables
- Manage client-facing reporting solutions that translate complex supply chain data into actionable insights for C-level executives
- Built comprehensive data pipelines to automate RFQ (Request for Quotation) and RFI (Request for Information) processing across 3,000+ global suppliers, reducing manual processing time by 90%
- Designed and implemented database table structures and automated ETL pipelines for multi-client reporting dashboards using Python and SQL
- Developed advanced text extraction tools for site visit documentation, enabling automated data capture and analysis from unstructured client documents
- Created data manipulation frameworks for supply chain analytics supporting strategic sourcing decisions across multiple manufacturing categories
- Developed custom web applications including an Operational Benefits Calculator and Pipeline Monitor web app to streamline client workflows and provide real-time project visibility

Danley's Garages | Elk Grove Village, IL
Data Analyst Intern | 06/2020 - 08/2022

- Identified and resolved critical database integrity issues by writing SQL queries to clean corrupted records, standardize data formats, and eliminate duplicates, resulting in improved system reliability for daily operations
- Designed and developed customer decision-support graphics for the company website, creating visual product guides that reduced customer confusion and streamlined the selection process for different lumber sizes and material options
- Partnered with IT Department staff to troubleshoot and resolve website functionality problems, including performance issues and user interface bugs, ensuring consistent site availability for customers
- Created comprehensive monthly sales performance reports using Excel VBA and advanced macros, analyzing individual sales representative metrics, trends, and comparative performance to support management decision-making
- Managed procurement planning for lumber and building materials by calculating required quantities, analyzing supplier options, and supporting inventory management processes
- Automated sales analytics dashboard through Excel VBA programming, eliminating manual reporting processes

Skills

SQL Server, Python, ETL (Extract Transform Load), Spark, Azure Cloud, Next.js, FastAPI, Excel

Education

University of Iowa - Tippie College of Business | Iowa City, IA
Business Analytics & Information Systems | 05/2023

Links

LinkedIn

Github