

Joshua Wozny

Bath, NH | P: +1 (603) 348-4019 | joshua.wozny@snhu.edu
[LinkedIn \(joshua-wozny-bathnh\)](#) | [GitHub \(joshuawozny\)](#)

OBJECTIVE

Experienced and adaptable professional with 15+ years of leadership experience seeks to leverage transferable and newly acquired skills and education in a fresh role as a Data Engineer, with key data engineering skills in SQL, Python, project management, and systems analysis.

EDUCATION

SOUTHERN NEW HAMPSHIRE UNIVERSITY

Bachelor of Science

August 2024

- Major in Computer Science; concentration in Data Analysis
- 4.0 GPA
- Honor roll 22EW3 through 23EW3 and President's List Fall 2022
- National Society of Leadership and Success Inductee
- Relevant Coursework: Structured Database Environments, Programming Languages, Data Structures & Algorithms, Systems Analysis and Design, Software Development Lifecycle (emphasis on Agile), Statistics, Applied Mathematics

DRIVER PASS Project

Southern New Hampshire University, CS-255

March 2023

- Create a Business Requirements document by analyzing interview transcripts and independent research to capture objectives, goals, and functional and non-functional requirements; addresses accuracy, precision, adaptability, and security concerns; and outlines assumptions and limitations
- Model processes, objects, and use cases by using industry-standard UML diagrams to show relationships, data flow, and critical classes needed by the system to function properly
- Developed a flexible communication plan to describe the project to key stakeholders based on the nature of the audience.
 - Create a system design document based on these requirements and models
 - Create a presentation to describe the system to a non-technical audience

COURSE CATALOG Project

Southern New Hampshire University, CS-255

February 2023

- Read and parse data from a .csv file, with each line of the file representing a single course object
- Store each object in a Binary Search Tree collection
- Search, retrieve, and display course objects using the course number, including pre-requisite courses
- Introduction to debugging, solution architecture, and DRY coding concepts and techniques to develop modern, modular, and maintainable code

FOUNDATIONS OF LEADERSHIP Certificate

National Society of Leadership and Success

February 2023

- Certificate holders have demonstrated their ability to self-identify, develop SMART goals, and engage with others.

APACHE SPARK SQL FOR DATA ANALYSTS Certificate

Coursera

February 2023

- Certificate holders have demonstrated the ability to ingest, transform, and query data to extract valuable insights by leveraging existing SQL skills to start working with Apache Spark.

BASIC PYTHON ETL Project

Coursera

December 2022

- Extracted data from https://gbfs.citibikenyc.com/gbfs/en/station_information.json
- Transformed JSON data to a pandas DataFrame
- Loaded clean data into a Google Big Query table for later processing

SOFTWARE DESIGN SPECIFICATION AND OBJECT MODELING Project

Southern New Hampshire University, CS-230

November 2022

- Created a design specification document for a fictional computer application, Win, Lose or Draw. Contrasted and compared system architectures, operating systems, service types, storage systems, and methods of development for deployment as a cross-platform application
- Modeled key objects and classes utilizing UML diagrams, creating classes implementing the singleton and iterator patterns needed to implement the application properly.

DATA CLEANING IN PYTHON ESSENTIAL TRAINING Certificate

LinkedIn Learning

September 2022

- Certificate holders have demonstrated the ability to use Python to clean data.

POWER BI DATA MODELING WITH DAX Certificate

LinkedIn Learning

March 2022

- Certificate holders have demonstrated proficiency with Power BI and DAX to model data.

WORK EXPERIENCE

UPPER VALLEY PRESS

North Haverhill, NH

Operations Manager

June 2007 – Present

- Used analytical thinking to create and optimize advanced Excel models for Product pricing, commission reporting, cost analysis, and annual budget processes to integrate consistent business rules into all of the Company's financial models to manage a \$6 million budget, improving cost accounting, and improve financial reporting
- Captained a project to replace outdated mailroom equipment with modern, industry-standard inserting and labeling systems, improving throughput speeds by 15% and decreasing overall labor per piece produced by 25%.
- Spearheaded project to onboard Salesforce and PowerBI implementation. Created both PowerBI and Excel dashboards and reports to calculate and report Manufacturing KPIs to increase process improvement visibility and manage a \$1 million labor expense budget. Used systems analysis techniques to design and capture production data and assimilate separate technologies into a cohesive system and provide cleaner data integration
- Analyzed and optimized the Company's \$2.5 million postage budget by monitoring unused postage, researching USPS incentive programs, and performing cost-benefit analysis of USPS discounts for presort and dropshipping activities. Developed KPIs to measure postage utilization efficiency.
- Researched and documented sales processes and policies and developed standardized training materials for our Sales organization, resulting in a 10% reduction in training and onboarding costs.
- Initiated, researched, and developed an Operations manual documenting policies, procedures, and best practices for the entire Shared Mail division of the Company. Facilitated small team discussions using Joint Application Design and other brainstorming techniques to understand formal and informal policies to aid process modeling and documentation.
- Brainstormed with executive leadership and department and division leaders to create our Company Vision and Mission statements. Periodically meeting to collaborate and update as needed.
- Investigated print and design vendors and negotiated pricing to reduce expenses. Recommended a new print vendor that saved the Company 30% for one product line.
- Coordinated a project to update and eventually replace information systems managing Company's sales and operations processes using a modern technology stack using SQL, web services, and data engineering techniques. Responsible for testing, infrastructure support, assisting with the technical design, and providing development support by working closely with the developer with data migration and selecting the most appropriate application infrastructure and frameworks

ADDITIONAL SKILLS

Technical Skills: SQL, Python, R, Java, C++, Pivot Tables, VBA, UML diagramming, HTML CSS, Javascript, git

Tools Used: Visual Studio, Eclipse, Jira, Jupyter Notebooks, R-Studio, Excel, Kanban, GitHub

Other Skills: Project Management, Scrum