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OBJECTIVE

Seeking a challenging role as an experienced Data Engineer to leverage advanced data management skills and innovative solutions in driving key business intelligence and analytics.

EDUCATION

Bachelor of Science in Computer Science
Worcester Polytechnic Institute (WPI)

2019

WORK EXPERIENCE & PROJECTS

- **Software Engineer, Talcott Resolution, Hartford CT** *June 2023 - Present*
 - Modularized reusable market data file processing strategies in Python Datalake project. These processes are configured through Runconfig entries in an SQL Runconfig table and scheduled via Autosys jobs.
 - Structured Oracle resources that feed data from financial instruments to Power BI and visualizations that allow the business to prioritize decision making through actuarial models & outcomes.
 - Implemented React interface for 1065 tax form submissions to an SQL database with versioning logic.
 - Led AI and innovation research for PowerBI reporting. Presented features & proposals to the CIO, Head of Infrastructure, & executives at Talcott Resolution.
 - Completed an efficient reusable Python system to determine data discrepancies in financial data assets. Reported results to assess data providers and their limitations.
- **Stock Trading Application** *2019 - Present*

Developed personal stock trading Python scripts that run daily in GCP, scheduled on a daily crontab schedule. This functionality includes:

 - Pulling stock recommendations and news from various sources utilizing the Python requests library.
 - Algorithmically selecting tickers to monitor for breakouts.
 - Scraping realtime market data through Requests & BeautifulSoup Python libraries for realtime monitoring.
 - Placing buy/sell orders utilizing the Python Alpaca API with Textbelt text message alerts when trades are executed.
- **Software Engineer, Optum TDP, Boston MA** *2020 - 2023*
 - Wrote Python ETL pipelines to prepare WAV audio data for Azureml ASR model training.
 - Led team strategy for optimal ASR audio segmentation used for model training
 - Automated Jenkins jobs to run Azure Defender vulnerability scans on all images produced by Dockerfiles in the organization. Implemented email alerting that includes remediation guides.
 - Implemented OAuth identification tracking on various resources and published analytics to analytical dashboards.

SKILLS

Software:

Autosys | Azure Cloud Infrastructure | Azure Databricks (ETL) | Azure Devops | Docker | draw.io | Figma | Flask | GCP | GitHub | Jenkins | Kubernetes | Microsoft Office | Oracle Toad | Pandas | Postman | Power BI | PyCharm | Terraform | VSCode | Zoom |

Programming Languages (years):

Python (7) | SQL (6) | Java (3) | Javascript (2) | Groovy (2) | Swagger (2) | Swagger (2) | React(2) | CSS / HTML (2) |