

Leo Walker

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github.com/leo-walker

medium.com/@leo-walker

Experience

BPX ENERGY – \$14BN U.S. oil & gas production subsidiary of BP

2017 to Present

Data Scientist Feb 2018 to Present

- Developed an automated Green House Gas report that reduced lead time by two weeks and saved 300 man-hours annually while increasing KPI transparency across leadership levels
- Created NLP model using Python and SQL to support an enterprise initiative by evaluating narratives of safety events and sending relevant articles to staff before starting assignments.
- Developed an IT-wide portfolio tracker that integrated directly to MS DevOps to provide a single point where leaders across the organization can track project progress.

Data Analyst Apr 2017 to Feb 2018

- Led development project leveraging localized drilling data to provide focused drilling directives with the potential to save \$300K per well with projected productivity gains valued at \$43.2MM in 2019.
- Developed a KPI dashboard to increase safety incident awareness across the company, resulting in robust data collection and strategy sessions to distribute lessons learned and reduce incidents.

UNITED STATES ARMY - Hunter Army Airfield, GA; Fort Drum, NY

2011 to 2017

Distribution Project Manager | Logistics Analyst | Supply Chain Project Manager (2012-2017)

- Led a cross-functional team of 28 and controlled an annual budget of \$111MM.
- Managed development of 1st mobile performance appraisal app, decreasing delivery time by 80%.
- Leveraged Lean techniques to boost parachute production by 22%.
- Developed and implemented a system to track the movement of tactical equipment throughout Afghanistan, decreasing delivery errors and discrepancies from 10% to 0%.

Projects

Job Metadata and Description Analysis

- Used WebScrapingAPI and BeautifulSoup to request and parse over 1,200 data-related jobs per week.
- Set up SQLite database to store and backup the job post data
- Leveraged nltk, pandas, and matplotlib to clean, feature engineers, and visualize the dataset.

Skills | Certifications

Languages: Python, SQL

Cloud Services: Amazon Web Services (AWS) and Microsoft Azure

AI Related Frameworks: Pandas, NumPy, Spacy, NTLK, Scikit-Learn.

Tools: SQL Server Management Services, PowerBI, PowerApps

SDLC Methodologies: Lean Six Sigma, Agile Scrum, Kanban, PMP, PMP-ACP, Certified Scrum Master

Data Science Immersive: Galvanize Inc. 12-week in-person data science training program.

Education | Certifications

MS, Data Science (2023)

UNIVERSITY OF DENVER

BS, Electrical & Computer Engineering

VIRGINIA MILITARY INSTITUTE

Extensive leadership and operational planning training from the Army's premier leadership school.