

James Emery

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Data Engineer with Finance & Operations Expertise

Motivated Data Engineer with over 7 years of finance and operations experience, skilled in Python, SQL, and data visualization tools like Power BI and Tableau. Proven track record in developing and optimizing data-driven solutions at ManhattanLife and Corebridge Financial, enhancing operational efficiency.

WORK EXPERIENCE

Corebridge Financial • Houston, TX • Nov 2021 - Present

Data Engineer • Houston, TX

- Streamlined data processing and analytics using Python, enhancing actuaries' training efforts.
- Generated accurate and department-specific dashboards via Power BI and Tableau, optimizing data accessibility.
- Converted R script to Python on Snowflake, resulting in \$1 million annual compute cost savings.
- Converted Ad-hoc studies based on varying expected bases into repeatable standardized outputs for management review.

ManhattanLife Insurance Company • Houston, TX • Jan 2018 - Nov 2021

Operations Analyst • Houston, TX

- Evaluated existing business processes with stakeholders to identify profitability improvements.
- Generated and maintained Power BI dashboards, improving visibility into claims, call volumes, and other operational metrics.
- Led initiatives to merge processes for acquired blocks of business, standardizing documentation and claims procedures.

EDUCATION

Full Stack Web Development (60 Weeks)

Bloom Institute of Technology • - 2019

Bachelor of Science in Finance, Minor in Economics

Oklahoma State University • - 2014

PROJECTS *website: www.jpemery.dev password: shadowIT*

Actuarial Data Analysis

- Calculated an A/E (Actual to Expected) for Policy level Life Insurance Data. Created a class to import rates, and randomly generate policies for use in calculating the A/E.

Data Quality Engine

- Built a Data Quality Engine using python to orchestrate checks across three different databases (oracle, snowflake, SQL server)

Who Should Get It?

- Developed a web application using Python and React to enable users to submit their opinions on Covid-19 vaccine prioritization, as well as visualize global rankings and results.

Covid Data Visualization

- Created data visualizations for Covid-19 trends using Python, Matplotlib, and Jupyter on AWS, facilitating clearer public understanding of pandemic data.

Stock Forecasting

- Utilized AWS, Python, Numpy, Pandas, and sklearn to develop a stock forecasting model, predicting future stock trends and aiding in investment strategies.

News Sentiment Analysis on Stock Tickers

- Conducted news sentiment analysis on stock tickers using BeautifulSoup, Python, and Matplotlib, providing investors with insights into market sentiment and its potential impact on stock prices.

SKILLS

Programming: Python, SQL, React

Data Analysis: Pandas, Matplotlib, Power BI, Tableau

Environment Management: Conda, Amazon SageMaker

General Tools: Git, Jupyter, GGY AXIS, AWS, ORACLE, Snowflake,