

Position Description: Data Engineer

Status: Full Time Employee

Job Location: Arlington, Virginia, USA

Start Date: Immediately

Salary: Commensurate with Experience

Travel: 0% - 5%

Company Overview:

Morten Beyer & Agnew (mba Aviation), established in 1992, is an international aviation consulting firm specializing in the valuation and analysis of commercial jet transport aircraft. mba Aviation provides assistance to investment banks, aircraft owners, operators, investors, lessors and governments. mba Aviation supplies current and future values, and residual value forecasts as they pertain to the purchasing, leveraging, securitizing, sale and leasing of aircraft, engines and aircraft related parts and inventory. mba Aviation also specializes in the on-site inspection of aircraft and technical analysis as it relates to valuation and transactional information. mba Aviation's general consulting includes economic research, asset/corporate marketing, governmental contracting, airline start-up assistance, due diligence, financial/operational benchmarking, corporate strategy, market planning and expert witness/testimony. More information can be found at www.mba.aero.

Position Description:

You will be part of a world class Digital Services team in the Market Intelligence group supporting data services and other product offerings of mba Aviation, and supporting a data warehouse process used by a global community of aviation professionals and the various groups as stakeholders internally. The team is responsible for ensuring the health of the data warehousing efforts internally, supporting reliability across the various systems, high performance and high availability for the clientbase.

The database engineer will report to the Managing Director on topics such as the development and organization of the databases, assessment and implementation of new technologies, and providing the IT group with a long-term perspective on the relationship of database technology to the business opportunities facing the company, to help achieve a state-of-the-art environment that meets current and future objectives. This will include providing technical support and administration of all database installations, designing and scheduling.



Job Duties include, but are not limited to:

- Innovate, and contribute to the technical architecture, design and code of database internals and ETL processes;
- Develop, implement and tune data pipelines to meet business needs;
- Collaborate with other departments to execute a superior product for our clients; and
- Deliver features and enhancements extending the functionality and performance of our SaaS based product - REDBOOK.

Education Required:

Bachelors or Masters in Computer Science/Engineering/Information Systems/Business Analytics/Data Engineering or related fields.

Years of Relevant Experience:

Three to five years experience with data warehousing.

Required Skills

- Robust understanding of concepts of computer programming;
- Experience working with python;
- Working knowledge of statistical methods, data mining with ability to model and interpret results in either R or Python;
- Strong knowledge of any SQL flavor (PostgreSQL highly preferred) and ETL processes;
- Hands-on experience with database internals like data storage, storage consistency and error detection, query planning and execution; and
- Excellent verbal and written communication skills, a team player with strong analytical skills, problem solving, debugging and troubleshooting skills.

Preferred Skills

- Knowledge of software development and user interface web applications;
- An ability to understand front-end users requirements and a problem-solving attitude;
- Experience with git/version control;
- Understanding of virtualization and clustered environments; and
- Interest in Aviation Industry.

Company Benefits:

Medical Insurance, Dental Insurance, Long-Term Disability Insurance, Life Insurance, Flexible Spending Account (FSA), Paid Parking at company headquarters, Paid-Time-Off (PTO), 401K participation with company match.