

# AVX Aircraft Company

## Job Description



**Job title:** Data Engineer

**Work Location:** 6310 Southwest Blvd, Benbrook, TX 76109

**Division/Department:** Sustainment

**Reports to:** Program Manager

**Attendance Requirements:** Monday – Friday

Full-time

Part-time

Exempt

Nonexempt

### Essential Duties and Responsibilities:

AVX is developing cutting-edge, algorithmic-based simulation, operational awareness, and mission planning capabilities to a wide variety of DoD customers. Our specially selected team of AVX talent, industry partners and academic institution technologists includes engineers, software developers and scientists. Together, our powerful team develops algorithms, software integrated prototypes and solutions for Artificial Intelligence, Machine Learning, Mission Planning, and Operational Awareness.

The successful Data Engineer will be responsible for designing, building, and maintaining datasets that can be leveraged in data projects. As such, the candidate will work closely with both data scientists and data analysts. The candidate will be responsible for collecting and integrating data from various sources, build data platforms for use by other data team members, and optimize and maintain the data warehouse.

Additional Contributions of this position include:

- Aligning architecture with business requirements
- Developing data acquisition processes
- Developing data set processes
- Using programming language and tools
- Identifying ways to improve data reliability, efficiency, and quality
- Conducting research for industry and business questions
- Using large data sets to address business issues
- Preparing data for predictive and prescriptive modeling
- Delivering updates to stakeholders based on analytics

### Required Education and/or Work Experience:

- US CITIZENSHIP REQUIRED, or the ability to obtain a U.S. Security Clearance
- BS, MS, or PhD in computer science, database management, data engineering, or equivalent
- Proficiency in C++, Python and R
- Good communication skills
- Self-starter and driven
- Familiarity with the latest data engineering trends
- Demonstrated experience with large data sets in one or more of the following areas: parsing, cleaning, storage strategies, database formats, and data transformations

### Desired Education and/or Work Experience:

- Experience with Python REST APIs (Flask, FastAPI)
- Experience with cloud computing (AWS, Azure, GCP)
- Experience as a data engineer
- Reliability, Maintainability and Safety engineering analysis

### Physical Requirements:

- Ability to safely and successfully perform the essential job functions consistent with the ADA, FMLA and other federal, state and local standards, including meeting qualitative and/or quantitative productivity standards.
- Hybrid work will be considered