AVX Aircraft Company
Job Description

Job title: Software Engineer

Work Location: 6310 Southwest Blvd, Benbrook, TX 76109

Division/Department: Sustainment Technologies

Reports to: Corey Pearce

Attendance Requirements: 9-80 work schedule, in-office position, some flex will be considered

X Full-time ☐ **Part-time**	**X Exempt** ☐ **Nonexempt**

Essential Duties and Responsibilities:

AVX Aircraft Company (AVX) has established a strong reputation as a technology innovator in vertical takeoff and landing (VTOL) aircraft design. AVX company strategy incorporates three elements of the business: Science and Technology (S&T), Unmanned Aircraft Systems (UAS), and Sustainment Products and Services. We are seeking a talented and motivated Software Engineer to join our dynamic team working on the development of advanced software applications designed to revolutionize fleet management operations. As a Software Engineer for our Sustainment programs, you will play a crucial role in building and enhancing the core functionalities of applications, ensuring its performance, scalability, and user experience.

- Architecture Design: Designing and architecting the software infrastructure for Sustainment Technologies, considering factors such as data processing, analytics, scalability, and security. This involves making decisions on the selection of appropriate technologies, frameworks, and platforms to achieve the desired system capabilities and performance.

- Software Development: Writing high-quality, clean, and maintainable code to implement the various components and features. This includes developing backend systems, data processing pipelines, APIs, user interfaces, and other software modules as required.

- System Integration: Collaborating with other teams to ensure seamless integration of software products with external systems and data sources. This may involve designing and implementing APIs, data connectors, and interoperability mechanisms to facilitate data exchange and system interoperability.

- Performance Optimization: Identifying performance bottlenecks and implementing optimizations to enhance the speed, efficiency, and scalability of the FleetSpace system. This includes analyzing system metrics, profiling code, and conducting performance testing to identify areas for improvement.

- Quality Assurance: Conducting thorough testing, including unit testing, integration testing, and system testing, to ensure the stability and reliability of the software components. This involves developing test plans, writing test cases, and participating in code reviews to maintain high-quality standards.

Education and/or Work Experience Requirements:

- Bachelor's or Master's degree in Computer Science, Software Engineering, or a related field.

- Strong proficiency in programming languages such as Java, JavaScript, or similar languages.

- Experience with modern web development frameworks and libraries such as ReactJS and MaterialUI.

- Knowledge of backend development frameworks such as Spring Boot.

- Familiarity with database technologies, particularly MongoDB or similar NoSQL databases.

- Solid understanding of software development principles, design patterns, and best practices.

- Experience with version control systems, continuous integration, and agile development methodologies.

- Strong problem-solving skills and the ability to work in a collaborative team environment.

- Excellent communication and interpersonal skills.

Preferred Qualifications:
- Experience in the development of enterprise-grade software applications.

- Experience with technologies such as MongoDB, Java, Spring Boot and ReactJS.

- Familiarity with data analysis and simulation technologies.

- Knowledge of cloud platforms and services, such as AWS or Azure.

- Understanding of UI/UX principles and experience with data visualization libraries like D3.

Physical Requirements:

- Full time position.

- US citizenship required.

- Travel required.

- This is an in-office leadership position, some flex will be considered. AVX is located in Benbrook, Texas, 7 miles southwest of downtown Fort Worth.