Software Engineer, Entry to Mid-Level

About This Role:

Skyward is seeking a motivated entry to mid-level Software Engineer to join our Software Engineering Team (zero to ten years of experience). The team supports other teams across the company by providing software systems to meet product deliverables. Current development activities include edge-computing sensor processing, machine learning, and aircraft structural simulations. A significant portion of the work involves new system development rather than maintaining or enhancing existing systems. While the position is primarily software development, the team provides the entire system, which can include managing a database, platform, and other technology components.

Responsibilities:
- Write, test, and debug software
- Write clear and detailed documentation
- Implement database functionality
- Implement platform/environment structure
- Integrate hardware interfaces
- Follow IT industry best practices
- Research and learn new tools and processes

Soft Skills:
- Detail-oriented
- Able to work collaboratively
- Eager to investigate and learn new things
- Clear and concise communication

Minimum Qualifications:
- US Citizenship required, with an ability to obtain Secret Clearance
- Degree in computer-related discipline or equivalent work experience

Preferred Qualifications:
- Knowledge of object oriented programming with C++, Java, or C#
- Knowledge of functional programming with Go, C, or Fortran
- Knowledge of script programming with Python, shell (e.g., Bash), or Perl
- Knowledge of Linux/Unix development environment
- Knowledge of databases, including SQL, stored procedures, and triggers

Additional Qualifications:
- Knowledge of containers, like Docker or Singularity
- Knowledge of Git and other development tools

- Knowledge of TensorFlow
- Knowledge of Unreal Engine
- Knowledge of networking, including TCP/IP and UDP/IP.
- Knowledge of web development
- Knowledge of GUI/UX development
- Knowledge of Windows development environment

About Skyward, Ltd.:
Skyward, Ltd. is a rapidly growing small business, located in Dayton Ohio, whose mission is to provide services and solutions which increase the survivability of people, aircraft, watercraft, and ground vehicles. We support the Department of Defense and commercial customers, specializing in test & evaluation support, modeling & simulation (including advanced physics-based simulation and machine learning), reverse engineering, and Unmanned Aerial Systems (UAS). Our software solutions include a variety of applications from rapid structural analysis tools used to simulate Live Fire Tests to UAS embedded anomaly detection algorithms and live geospatial UAS sensor data visualization.

Benefits:
Skyward offers competitive salaries and benefits, including:
- Retirement plan with annual employer contributions
- Comprehensive health insurance package, including dental and vision
- Employer-provided Health Savings Account contributions
- Life insurance
- Paid Federal holidays
- A generous paid time off plan

Skyward Ltd. is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, marital status, veteran's status, disability, sexual orientation, gender identity, or any other protected class set forth by federal or state law.

Skyward is a Drug-Free Workplace

All benefits are subject to plan eligibility rules, and legal requirements; from time to time benefits may be updated or modified.

This job description is designed to provide general guidance in job tasks and is not meant to be all-inclusive of the responsibilities, duties, and skills required of this position. As business demands and needs change, the essential functions of this position may be updated to reflect the needs of Skyward, Ltd.