



# Job Description

Release Date: April 17, 2023

## Position

- Job Title: Software Support Engineer
- Department: Software Engineering
- Term: Full-Time
- Compensation: Commensurate with experience
- Telecommuting: Primarily on-site @ WJHTC

## Job Summary

Sunhillo Corporation, a technology leader in the Air Traffic Control (ATC) community, is expanding its software support team located at the FAA William J. Hughes Technical Center (WJHTC) in Egg Harbor Township, NJ. This is a great opportunity for the energetic and committed applicant to enter the air traffic control industry at the hands-on level. As a member of the team, you will use your experience to test, identify, analyze, and support software serving the National Airspace System (NAS) and En Route Air Traffic Control Systems.

## Essential Duties and Responsibilities

- Providing software development and support for evolving radar data distribution needs.
- Providing network design and troubleshooting.
- Supporting configuration changes in various Air Traffic Control Systems.
- Supporting ECG Second Level Support as the subject matter expert for radars adapted in the ECG system.
- Supporting the analysis of RADAR data formats provided in various formats.
- Act as a point of contact for WJHTC laboratory surveillance equipment used to provide surveillance data for testing En Route ECG and ERAM systems.
- Maintaining system drawings and specification documents for WJHTC laboratory equipment.
- Providing support for design changes, building, and maintenance of WJHTC surveillance equipment racks.
- Willingness to assist customers in person or over the phone as required.



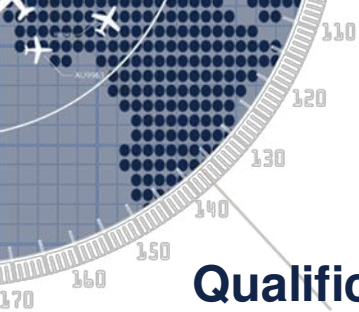
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[www.Sunhillo.com](http://www.Sunhillo.com)



## Qualifications

To perform this job successfully, **an individual must be a self-starter** with proven analysis, design, and programming skills. **The most important skill is the ability to research and gather knowledge**, as learning radar "surveillance" will be through on the job training if not already knowledgeable in this area.

## Knowledge & Skills

Bachelor's degree in Computer Science, Computer Engineering, or equivalent engineering degree.

## Education & Experience

- Software development in C/C++, JAVA and Scripting
- Networking
  - Understanding of TCP/IP, UDP/IP and sockets
  - Basic networking knowledge
  - Ability to understand and maintain system drawings
  - Knowledge of Cisco commands desirable
- Source code control systems
- Proficiency in Linux and Windows
- Proficiency in Visio, WireShark

### Ideal experience:

- Code development for Linux platforms
- JAVA development using Netbeans
- Radar protocols and/or FAA processes
- Knowledge of ADS-B, SIM Asterix (CAT 34, 48), and other Asterix categories helpful
- Knowledge of Wide Area Multilateration, MLAT/WAM

## Other requirements

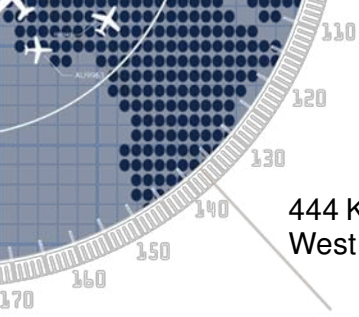
- Must possess a minimum of 2 - 5 years of experience.
- Must be a U.S. citizen
- Must be able to obtain a public trust clearance

## Contact

To submit your CV or for further information e-mail [employment@sunhillo.com](mailto:employment@sunhillo.com). Alternatively, you may post your CV to the following address. Remember to identify the position you are applying for.

Human Resources  
Sunhillo Corporation





444 Kelley Drive  
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