



Position Title: Software Engineer

Location: Virginia Beach, Virginia

Clearance Requirement: SECRET Clearance – TS/SCI Eligible

Status: FOR IMMEDIATE HIRE

SE2S is seeking a Software Engineer that has proven experience with application development and deployment. The contractor shall provide a software engineer that can create mobile and fixed software solutions that support the embedment of systems on to unmanned systems and assist with solutions that integrate operational systems on to unmanned systems that enable flight, command and control, intelligence surveillance and reconnaissance.

Education/Experience requirements:

- B.S. in Computer Engineering / Science, Aerospace Engineering, or applicable engineering or science field with a minimum of 3 years of hands-on professional experience, OR
- Minimum of 7 years hands-on professional experience without Degree
- Proficient in C, C++ and object-oriented software development methodologies.
- Demonstrated ability to deliver working production software in an agile development environment.
- Extensive knowledge of autonomous navigation and path planning techniques: waypoint navigation, geofencing, dynamic routing, obstacle avoidance, and collision detection algorithms.
- Extensive knowledge in BetaFlight, AruPilot, and Px4 – 5 years.
- Experience with sensor fusion techniques (e.g., combining data from IMUs, GPS, cameras, LiDAR) to enhance situational awareness and navigation accuracy.
- Experience working with ground control software such as Q Ground Control for mission planning, execution, and monitoring.
- Experience with the Qt/QML framework for developing user-friendly graphical interfaces.
- Familiarity with MAVLink protocol for communication between UAVs and ground stations.
- Proficiency in Python scripting for automation, data analysis, and prototyping tasks.
- Strong understanding of data networking concepts, including TCP/IP protocols.
- Proven ability to troubleshoot network communication issues.
- Skilled in parsing and reverse engineering complex codebases (e.g., C++, Python) to identify subtle errors in data communications within hardware and software systems.
- Experience with CAD
- Demonstrated ability to fully build target SW from source files.

SE2S offers a highly competitive package of pay and benefits including Paid Time Off and Holidays, 401(K) match and flexible medical benefit plans for the well-being of you and your family. Applicants selected will be subject to a government security investigation and must meet eligibility requirements for access to classified information. For more information or to apply, email recruiting@stratsupport.com or visit www.stratsupport.com