

Software Engineer

Position Description

The Software Engineer is a key member of a multi-disciplinary team developing new Position, Navigation, and Timing (PNT) devices and systems. The Software Engineer assists in all phases of the product lifecycle, from initial planning and architecture definition, to design and development, through deployment and support.

Software Developer Responsibilities:

- Define software architecture based on customer and program requirements
- Develop code – low level drivers/BSP, API's, and application level (UI/UX)
- Implement code based on software requirements
- Facilitate tracking and scheduling software deliverables
- Assessing software issues to find and implement solutions
- Test and deploy programs and applications
- Troubleshoot, debug, maintain and improve existing software
- Port existing test code to production ready deliverables
- Assess code for security vulnerabilities and implement solutions
- Work closely with teammates who value innovation and execution
- Effective at bringing tasks and projects to a successful and timely conclusion
- Ability to learn quickly and work independently or as part of a team

Education and Experience:

- U.S. Citizenship required
- Must have an active DoD SECRET clearance and eligible to obtain and maintain a higher clearance.
- Bachelor's or master's degree in Computer Science or related field.
- 6 plus years of prior experience as a Software Developer or equivalent role.
- Proficiency in popular coding languages including Python, Java and C/C++ and frameworks or systems such as AngularJS and Git
- Comfortable working with an Agile and Scrum development methodologies with software configuration management and defect tracking tools
- Strong Linux experience is a must with Ubuntu 20.04 highly desired
- Intimate knowledge of the Software Development Life Cycle

Highly Desirable Skills and Experience:

- Experience with NumPy, Cython, Numba
- Signal Processing – FFT, correlators, FIR/IIR filters, Kalman filters, statistical analysis
- Experience converting Matlab and/or python to C/C++
- Data COMMs and RF Systems, Software Defined Radios, and GNURadio
- Strong documentation and writing skills