Software Engineer III
U.S. Citizenship Required

CTL-SystemWare, a division of Charon Technologies, LLC, provides turnkey RF product solutions in the areas of systems control, signal acquisition and signals analysis. Our product lines include dynamic solutions for signals acquisition and signals analysis, frequency management, Technical Surveillance Countermeasures, Signals Intelligence, Tempest, image/data rastering, hardware control and remote monitoring. Our expertise allows us to rapidly provide solutions in agile and challenging environments. **Successful candidates must be able to follow ITAR compliance; therefore U.S. Citizenship is required and must also be willing and able to obtain a security clearance and pass a pre-employment drug screen.**

We are seeking a Software Engineer 3 to work on the development of our RF product solutions product line and the next generation of signal and data analysis suites using artificial intelligence and machine learning technologies. This role requires a keen understanding of both theoretical and practical aspects of designing computer software solutions, in conjunction with hardware product development, for military, communications, and scientific applications, applying principles and techniques of computer science, engineering, mathematical analysis, artificial intelligence and machine learning. Our technologies integrate with field programmable gate arrays, analog to digital converters, embedded processors, and other hardware peripherals including RF components. An ideal candidate will have demonstrable experience designing such solutions in a commercial environment with aggressive time-scales.

This role requires the ability to effectively collaborate with a cross-functional design team in an Agile development environment. Candidates must possess solid interpersonal as well as excellent oral and written communication skills.

Responsibilities and Duties

Ideal Candidates will be proficient with:
- Windows and Linux development; Visual Studio and Eclipse
- C/C++, C#, HTML5, JavaScript, node.js, jQuery, CSS3
- SQL Server and manipulation/mining of large data sets and running real-time analytics on large, multi-formatted data sets
- Design and architecture knowledge as well as familiarity with object oriented analysis and design patterns (OOA/OOD)
- Design and architecture of multi-threaded applications

Qualifications and Skills

Preferred skills will include:
- Signal Processing experience
- Experience in artificial intelligence, machine learning

- Experience with use of 5GL; e.g. Prolog and Mercury
- Experience with Linux kernel and/or drivers
- PC/Hardware interface control; (RS232/PCIe/USB/GPIB/I2C)
- Experience with lab equipment; (scopes, spectrum analyzers, receivers, signal generators)

Qualifications
- 5 or more years of experience in Software Engineering

BS Computer Science or similar field; Masters preferred

Benefits

We work in a unique environment that's employee and family-friendly. Our employees enjoy:
- Generous salary, holidays, vacation and sick leave
- Employee health and dental plans and life insurance
- 401k plan w/company match that vests immediately
- Tuition/educational assistance program
- Private or semi-private window offices with comfortable, contemporary furnishings
- Casual and employee friendly work environment with flexible schedule
- Free snacks, coffee, and other beverages
- Regular free lunches and social events
- Convenient location in Camarillo, CA

We are proud to be an Equal Opportunity Employer and do not discriminate on the basis of race, religion, gender, national origin, color, age, military service eligibility or veteran status, disability, sexual orientation, gender identity, marital status or any other protected class. We encourage and support workplace diversity.

Charon Technologies, LLC is an Equal Opportunity Employer M/F/D/V.

No third parties, no agencies, no subcontractors need apply.

Job Type: Full-time

Experience:
- Software Engineering: 5 years
Education:
- Master's
Location:
- Camarillo, CA
Required work authorization:
- United States

CTL|SystemWare

▪ Columbia, Maryland   ▪ Herndon, Virginia   ▪ Camarillo, California