CYBEX

SOFTWARE ENGINEER

BASIC PURPOSE:

Participate in the development of new products from initial concept through manufacturing by applying software engineering techniques.

DUTIES AND RESPONSIBILITIES:

- Design and implement software applications, including, middleware, communication protocols, graphical user interfaces and diagnostics
- Develop system or sub-system specifications
- Participate in design and implementation discussions
- Active participant in peer code review
- Utilize automated and manual test approaches for system software
- Contribute to continuous improvement of design practices for development and testing.
- Prepare development plans and estimates for system software in accordance with company documentation and industry standards
- Work with new product development teams including electrical engineers, mechanical engineers, software engineers, marketing, and project leaders in the development of both new and existing products
- Act as vendor technical liaison as required
- Perform other duties as assigned

QUALIFICATIONS AND SKILLS NEEDED:

Minimum formal education, experience and training:

- Computer Engineering or Computer Science degree (BS CS, or ECE) along with 7 years of directly applicable experience.
- Extensive programming experience with at least one object oriented language (.NET, Java, C++)
- 3+ years of experience designing and implementing software for Linux or Mobile applications
- Proficient in creating flexible, reusable software components
- Strong working knowledge of C++ programming in an embedded environment.
- Familiar with version control systems such as git, svn, cvs, etc
- Working knowledge of digital hardware design
- Solid analytical skills.
- Able to effectively communicate technical concepts
- Must have good balance of theoretical and practical experience and must be "hands on" in a product development environment

Preferred education, experience and training:

• Familiarity with agile, iterative software development methodologies

- Experience developing products with rich Graphical User Interface
- Experience with audio, video and / or Internet applications
- Experience using electronic test equipment, such as oscilloscopes, logic analyzers, emulators and / or debuggers
- Strong background in embedded real-time system design.
- Track record of delivering a project or product from design stage to commercial release
- Familiar with Open Source Software development models
- Knowledge of device driver design and implementation
- Knowledge of Real Time Operating Systems

TRAVEL:

Some, including international.