

Job Description

Software Developer III

Full-Time, Salaried / Exempt

Location – Swansey, NH

Job Summary

The Software Developer III is part of a team dedicated to advancing Nanotech's machine technology. This position is principally responsible to design, build, implement and support software applications for the electro-optics manufacturing industry and work on activities involved in applications, problem solving, and software validation. The Software Developer III will have the ability to create and maintain UI controls, machine software, programming software (CAD / CAM) and modeling software under limited supervision of more experienced personnel. Typical projects are a combination of new development, maintenance, and revision of existing applications.

Core Responsibilities / Duties

- Ability to broadly apply principles, theories, concepts and techniques required for the development of applications using C#, WPF with MVVM and C++/CLI.
- Solve software problems using accepted computer programming practices under limited supervision of more experienced personnel.
- Ability to lead small projects or phases/portions of larger projects.
- Design and develop C# based .NET solutions for engineering software applications.
- Create frontend UI's using WPF and MVVM design pattern.
- Develop and maintain C++/CLI backend libraries.
- Handle multiple projects simultaneously, meet deadlines, while effectively managing priorities and communicating progress.
- Adhere to the software standards, version control system, build and release processes etc.
- Document technical designs using flow charts, class diagrams, data flow diagrams, descriptive software component documentation etc. as required.
- Perform unit testing and resolve any issues / bugs by debugging and troubleshooting the code.
- Write / publish papers and present at relevant conferences when mutually agreed upon with management.
- Prepare written instruction and operation manuals for developed software packages.
- Perform customer and in-house technical support.
- Self-motivated and work independently, or as part of a group.
- Help to achieve the completion of all projects within budget and on schedule.
- Travel up to 10% of the time.
- Perform other related duties as assigned in accordance with overall job responsibilities.

Required Education and Experience

- Bachelor's degree in Computer Science from an accredited university and 10+ years of work experience, or a Masters' degree in Computer Science and 5+ years of work experience.
- Demonstrated versatility and high competency levels in creativity and technical comprehension.
- Computer proficiency in MS Office Suite.

Competencies

- Excellent interpersonal skills (written and verbal communication, ability to articulate ideas and concepts, capable of positive influence and ability to work alone or as part of a team).
- Utilize strong verbal and written skills to communicate effectively with technical and non-technical partners at various levels.
- Self-motivated and work independently, or as part of a group.
- Excellent organizational skills, with strong attention to detail.
- Maintain professionalism with all visitors and guests.