

**Job Description  
Software Developer II**

Type of Job – Full Time – Salaried  
Location – Swanzey, New Hampshire

**Job Summary**

The Software Developer II is part of a team dedicated to advancing Nanotech's machine technology. This position is responsible for designing, building, implementing, and supporting software applications for the electro-optics manufacturing industry and working on activities involved in applications, problem solving, and software validation. The Software Developer II will create and maintain UI controls, machine software, programming software (CAD/CAM) and modeling software under general supervision of more experienced personnel. Typical projects are a combination of new development, maintenance, and revision of existing applications.

**Core Responsibilities**

- Utilizes principles, theories, concepts, and techniques required for the development of applications using C#, WPF with MVVM and C++/CLI.
- Solves software problems using accepted computer programming practices under general supervision of more experienced personnel.
- Completes small projects or phases/portions of larger projects.
- Designs and develops C# based .NET solutions for engineering software applications.
- Creates frontend UI's using WPF and MVVM design patterns.
- Develops and maintains C++/CLI backend libraries.
- Handles multiple projects simultaneously, meet deadlines, while effectively managing priorities and communicating progress.
- Adheres to the software standards, version control system, build and release processes etc.
- Documents technical designs using flow charts, class diagrams, data flow diagrams, descriptive software component documentation etc. as required.
- Performs unit testing and resolves any issues/bugs by debugging and troubleshooting the codes.
- Prepares written instruction and operation manuals for developed software packages.
- Performs customer and in-house technical support.
- Self-motivated and works independently, or as part of a group.
- Helps to achieve the completion of all projects within budget and on schedule.
- Travels up to 10% of the time.
- Performs other duties as assigned.

**Education and Experience**

- Bachelor's degree in computer science from an accredited university 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.

To apply for this position, please send your resume to: [careers@nanotechsys.com](mailto:careers@nanotechsys.com).