



Be part of a dynamic team that is using nanotechnology to enable routine, accurate, cost-effective analysis of genomic structural variation, in support of our mission of elucidating the genetic underpinnings of disease, increasing diagnostic yield, and ultimately improving patient outcomes. Nabsys is the pioneer in high-definition electronic genome mapping. Headquartered in Providence, RI, Nabsys uses proprietary electronic nanodetectors to analyze long DNA molecules traveling at high velocity. Our first-generation instrument and consumables have been shipping to customers for a year. We are currently scaling proven technology to substantially reduce cost and time-to-answer, on our way to making genomic structural information available to every laboratory.

**Position: Sr. Software Engineer**

**Nature of Role:** The successful candidate will work with a team of engineers and scientists to advance the state of Nabsys analysis software.

**Responsibilities:**

- Assume responsibility for maintaining and improving a large existing code base
- Manage overall software architecture and champion meaningful changes
- Evaluate and modify application architecture to:
  - Improve run-time performance
  - Improve code maintainability
  - Add cross-platform support, Windows / Linux
- Write high-quality, well-tested, production-ready code in C# and unmanaged C++
- Integrate newly developed, prototyped, algorithms into existing applications
- Maintain Windows application GUIs using WPF
- Write application-specific python pipelines for Nabsys command-line applications
- Extend and maintain an automated testing infrastructure
- Help build and manage a software engineering team
- Collaborate with an experienced interdisciplinary staff

**Requirements:**

- BS in Electrical Engineering or Computer Science with 10+ years of experience
- 2+ years of experience leading a team
- Excellent engineering skills, including:
  - Object-oriented design and programming
  - Writing production-ready code in C#, .NET, and C++
  - Efficient multithreaded programming
  - GUI development using WPF
  - Python
- Preference for prior experience including:
  - .NET Core
  - Cloud implementation and deployment
- Pragmatic approach to problem solving
- Excellent organizational and interpersonal communication skills
- Willingness to work on fast-paced challenging projects
- Love of interdisciplinary collaboration

**Compensation:**

*Nabsys is an equal opportunity employer. All applicants will be considered for employment without attention to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran or disability status.*



- Competitive salary
- Equity stake
- Benefits include health, dental, vision, 401(k), unlimited vacation, life insurance