



## Software System Engineer (C#) Vacancy

Semiconductor devices provide the foundations on which progress in the technology sector are enabled. From Smartphones to Artificial Intelligence, 5G communications to autonomous vehicles, all are made possible through advances in semiconductor processes. Scaling these processes requires sub-nanometer measurement of increasingly complex 3D structures to enable more powerful devices. At **Infinitesima** we have pioneered a revolutionary atomic precision 3D metrology technology which has been qualified by leading companies in the semiconductor industry and we believe is essential for continued progress. To quote Lord Kelvin, *'If you can't measure it, you can't improve it!'*. Come and join our dynamic team to enable the semiconductors for tomorrow's technological developments.

Do you have experience in Software Systems C#? we currently have an exciting opportunity for a Software Systems Engineer to join our Software team,

Location: Abingdon

Reporting to: Software Manager.

### **The Opportunity:**

The position of Software System Engineer will work within the Software Engineering team to produce high-quality leading-edge software used to operate the RPM tool to obtain the precision measurements required by the Semiconductor Industry.

The role will include both developing existing software for the RPM platform directly as well as developing the software to control the RPM head on integrated platforms. In the second configuration control of a third-party system will be required.

The role requires strong Software development skills and a good knowledge of talking to additional systems.

The role requires both Software and System Engineering discipline.

### **Key Responsibilities:**

- Work within the Software team to help with the design and implementation of key software features for the tool.
- Produce high quality software to communicate with the systems and the User Interfaces to report data back to the User.
- Develop tools and algorithms to both control and analyse the data produced by the RPM tools.
- Work effectively as part of a multidisciplinary team of engineers and scientists.
- Communicate effectively with the whole Engineering team.

## **Personal Qualities:**

- Good written and spoken English.
- Self-driven and motivated worker.
- Problem solver.

## **Education / Qualifications:**

### *Essential*

- Degree or above in a Software or related engineering discipline.
- Experience of hands-on Software engineering development.
- C# coding experience on a Windows PC Platform.
- User Interface development. (WPF preferred)
- Writing software in a Machine Control.
- Excellent communicator - Fluency in written and oral technical English.
- Willingness to support other team members to meet team goals

### *Desirable*

- Agile Software Development Processes
- C# .Net architecture
- Software design patterns (MVVM for UI preferred)
- Knowledge of writing software using TCP Sockets.
- Understanding and using Threading models.

### *Beneficial*

- Python experience.

## **Benefits:**

In addition to a competitive starting salary and a yearly bonus. Infinitesima offers flexible working hours, 25 days annual leave, personal pension contributions and EMI Share scheme.

*All qualified applicants will receive consideration for employment without regard to race, colour, religion, sex, sexual orientation, gender identity, national origin, or disability.*

*Note to recruitment agencies: Infinitesima Ltd only works with approved agencies and does not accept unsolicited agency CVs. Please do not submit candidate details in response to this advert, or to any Infinitesima Ltd employees. Infinitesima Ltd is not responsible for any fees related to unsolicited CVs.*