



Software Engineering Manager

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.

Are you an experienced Software Engineering Manager or Team Leader with strong C# or C++ background?

We have an exciting opportunity for a Software Engineering Manager to lead a small and predominantly C# development team and manage the work of external development partners.

Location: Abingdon

Reporting to: Engineering Director.

The Opportunity:

The position of Software Engineering Manager is a key leadership role within Infinitesima's cross-functional engineering team. You will be responsible for your teams on-time delivery of high-quality software for our complex metrology products and will work closely with your peers in R&D, systems engineering, electronics, mechanical and applications.

Your team will be responsible for the machine control software, and all interface and UI software, for Infinitesima's metrology products including our Metron3D platform and associated data analysis packages. Strong project management skills will be important as we grow the team and our product capabilities.

Key Responsibilities:

- Lead a small team of software engineers with core C# expertise in their delivery high quality, fault-tolerant software.
- People management of your team - career development, recruitment, mentoring, training, appraisals.
- Project management - creating, tracking and reporting project plans for your team and supporting their integration into an overall program plan.
- Build appropriate processes to support continuous improvement.
- Work effectively within a complex cross-functional multi-disciplinary environment.
- Ensuring effective use of external partners to expand software delivery capabilities.
- Hands-on technical contribution where bandwidth permits.

Personal Qualities:

- Good verbal and written skills in English.
- Self-motivated and able to support and inspire a team to do their best work.
- Pragmatic and collaborative.

Education:

- Degree educated in Computer Science or related engineering discipline. Other scientific/technical disciplines considered if backed by relevant software experience.

Qualifications:

Essential:

- Team-lead or people-management experience.
- Strong hands-on software development background.
- C# (or C++) coding experience on a Windows PC Platform.
- UI development (WPF preferred).
- Project management experience.

Desirable:

- Agile experience and pragmatic application of agile/lean methodologies to development in a multi-disciplinary environment.
- Working with external partners as part of overall software delivery.
- C# .Net architecture.
- Systems Engineering understanding.
- Use of architectural and software design patterns.
- MVVM for UI.
- Low-level communication protocols such as use of TCP sockets.
- Threading models and experience.
- Experience in other languages such as Python.

(We'd love to hear from you if you tick some of the above – we're not expecting candidates to have deep experience in all of them).

Benefits:

In addition to a competitive salary and an annual bonus. Infinitesima offers flexible working hours, hybrid working, 25 days annual leave, personal pension contributions with salary sacrifice and a generous 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.