

## Software Engineering Manager

### White City

#### The Role:

We have a great opportunity for an experienced Software Engineering Manager to head up our London based Software Engineering team. The purpose of this role is to oversee all aspects of software design and development within DNAe.

#### Responsibilities:

The activities of the Senior Engineering Technician include:

##### Technical oversight

- Lead the design, development, and delivery of innovative, elegant software for our IVD products and internal R&D programs
- Develop, maintain, and improve DNAe's software lifecycle processes, methods and tools including adherence to necessary standards
  - Lifecycle includes requirements gathering, architecting, specification development, code development, design reviews, requirements traceability, unit and integration testing, issue/bug tracking, version control, deployment, maintenance, and obsolescence
  - Standards include quality, risk management, data privacy and cybersecurity with associated internal and third-party audits
- Work with our Bioinformatics team to integrate their analysis tools and algorithms into our products and test rigs
- Work with our IT team to ensure all necessary tools and infrastructure are in place, validated and managed to support our software development and deployment needs
- Create software development plans aligned with our internal processes
- Identify suitable third-party subcontractors where needed and define work packages
- Monitor progress against plans and report out to senior management and external stakeholders

##### Team leadership

- Leadership and line management of Software Team Leads: setting objectives, performance reviews, building a high-performance software team
- Define best practices in software design and development at DNAe, grow and develop software capabilities in the company including staff recruitment, training, and coaching / mentoring
- Manage all software resources to support company product development goals
- Oversee third-party subcontractors for software development
- Work with our IT team to define procedures for data handling and information security and ensure these are followed

**Qualifications and experience:**

- Extensive hands-on experience in software development for medical devices classified as Class 2 and/or Class 3
- Extensive hands-on experience of software lifecycle management for medical devices and developing new processes / methods as business needs change
- Experience in leading software development teams creating complex software for medical devices, demonstrated ability to develop a technically competent and customer focused software team
- Expertise in FDA design control requirements (21 CFR 820.30) as applied to medical device software and medical device regulations including ISO 13485, ISO 14971, Cybersecurity, IEC 62366, and IEC 62304
- Experience of program risk management, able to apply risk principles to business situations
- Significant technical knowledge of Windows and Linux servers, network and data infrastructure, and security
- Experience of technical issue management and coordination, able to make sound and logical decisions
- Strong verbal, written communication, analytical and problem-solving skills
- Experience and knowledge of programming in C, C++, C#, and Python languages
- Experience with Egnyte, QPulse, IEC 62304, Ubuntu, Canonical, Open Stack,
- Understanding of EN ISO/IEC 27000 Information technology — Security techniques
- Able to explain complex systems in simple terms
- Experience working in an international context and managing projects in several time zones
- MS or PhD in Computer Science, Physics, Mathematics, or equivalently technical discipline

**Apply:**

To apply please email [careers@dnae.com](mailto:careers@dnae.com) with your CV and salary expectations. Please include any other information you would like us to consider.

We are not considering offering visa sponsorship for this role.

This role is based at Scale Space, White City.