

**Job Role:** Development Engineer

**Company:** Silixa Ltd

**Job Type:** Permanent

**Location:** Elstree, London WD6

## **The Role**

Silixa, the leading developer of the next generation of optical fibre sensors, is rapidly expanding its business and we are looking for a Development Engineer to join the team. The position will be based in the UK.

Reporting to the Chief Technology Officer, you will be responsible for the development of new prototype sensing instruments. This is an exciting opportunity for the successful candidate to join an expanding company with a view to bringing world leading products from design into production.

## **Job Description**

The successful candidate will be responsible for the following (but not limited to):

- Owning the process for developing a prototype sensor into a production unit
- Commissioning and/or designing new optoelectronic assemblies
- Improving system designs through modelling and experimentation
- Recommending and enacting system architecture improvements
- Organising certification and environmental tests
- Defining quality procedures and production test procedures

## **The Candidate**

We are looking for an experienced and dedicated individual with excellent IT and communication skills. The candidate should have the ability to conduct independent research while also contributing to team-oriented projects. The position will require the candidate to be versatile, flexible, hands-on, and a self-starter.

## **Qualifications**

- A background in fibre optics; either sensors or communications systems
- Preferably a background in nonlinear optics
- Preferably a background in high speed analogue electronics
- Preferably experience in digital electronics/embedded processors
- Proven record of ability to manage time and work to deadlines
- Excellent presentation and communication skills
- Ability to work independently and as part of a team
- Fluent in English (spoken and written)

- The successful candidate should have a good first degree and will most likely have a relevant higher degree (MSc or PhD)

### **The Company**

Silixa is developing the next generation of optical fibre sensors, which can simply listen to the acoustic signal at every point along many kilometres of standard telecoms optical fibre. Unlike point sensors, Silixa's Distributed Acoustic Sensor (DAS) has no bulky, expensive components and, since the sensing element is standard fibre, can be deployed cost-effectively and flexibly in remote, hostile environments.

The iDAS technology utilises cutting-edge, high-speed optoelectronics and signal processing technology to enable a large stream of acoustic data at every location to be recorded and processed in real-time. This revolutionary technology provides the foundation for advancing the frontiers of acoustic sensing and imaging, leading to many new industrial and scientific applications.

### **The Package**

An attractive and competitive package is being offered. This will include Private Medical Insurance and an attractive pension plan.

### **Applications / Enquiries**

Candidates are advised to email an up to date CV stating the job role they are interested in to: [jobs@silixa.com](mailto:jobs@silixa.com)

Informal enquiries may be addressed to Sarah West at 0208 327 4210.

*Silixa promotes equal opportunity in employment.*