

Vacancy: Software Development Engineer

Status: Full time position

Company: ARK CLS Limited

Location: Bedford i-lab
Priory Business Park
Stannard Way
Bedford
MK44 3RZ, UK

Contact: judith.blood@arkcls.com (no agencies please)

Key skills: Good C++ software development experience. Competent communicator.

Business: Developer of geoscience software solutions for the oil and gas industry.

Company overview: ARK CLS is a company established to provide custom programming services and products to enhance and improve seismic processing and interpretation of geoscience data to allow companies in the exploration and production sector to reduce risk.

ARK CLS is undertaking several software development projects including seismic inversion and gravity/magnetic interpretation. Our development solutions integrate closely with Landmark's SeisWorks/OpenWorks, Schlumberger's GeoFrame & Petrel and dGB OpendTect products.

Job details: As a Software Development Engineer, your duties will include contributing to the design, development and documentation of the Company's software products. You will use Qt, a powerful cross-platform application development framework from Qt Software (a Nokia company) and other development toolkits. The Company understands that you may not have in depth experience and knowledge in all the development toolkits and therefore on the job training will be provided.

All development projects are carried out in close association with the company's clients. As such, you may be required to liaise with clients on a frequent basis and need to be able to understand and incorporate their technical and business requirements into the development strategy of products.

Working within an experienced development team, you will be supported and mentored, taking on more responsibilities as you progress in your career. You will be expected to lead some of the development projects, defining the design specifications and managing the development life cycle.

Responsibilities: Reporting to the Manager Director, your key tasks and responsibilities will be to:

- Ensure that software written is robust, efficient and conforms to the company's standards.
- Develop an understanding of the mathematical, physical and geophysical basis of the technologies developed and to be developed.
- Ensure and develop competence in the company's existing software systems and third party toolkits.
- Contribute to technical authoring and make improvements to procedures.
- Participate in team meetings and ensure that your manager and team are kept informed of the work you are doing including updating the company's knowledge base.
- Maintain professional awareness of external developments in software techniques and processes.

This position is ideally suited to a software developer, who enjoys a great deal of variety and a large degree of autonomy in software design and development.

Preferences for successful candidate:

Essential

- A good degree in Physics, Maths or Earth Science with a strong computing background
- Experience of object oriented design methodology
- Experience in using C++ programming language preferably under Linux
- Good communication skills
- Able to work under own initiative

Highly desirable

- Experience in software developing under Qt cross platform development framework
- Knowledge of geoscience techniques and products as used in the oil and gas industry

Advantageous

- Experience of Landmark's, Schlumberger's or dGB's Development Toolkits
- C# and .NET experience

Package: A competitive salary and benefits are on offer dependent on skills and experience.