Software Engineer

The Company

At Geoteric we believe a thorough understanding of the Earth can shape new perspectives and provide solutions to some of the greatest challenges we face today.

For over 30 years, we have expanded what's possible in the world of geological interpretation and we still love doing it. Guided by our people, we're proud of the role we play in bringing science and technology together, which is why we continue to rewrite the rule book when it comes to seismic interpretation.

Used across the globe, our innovative software, leveraging artificial intelligence allows interpreters to combine their knowledge with the best possible image.

Geoteric enables a more detailed understanding of the subsurface, no matter the application. We're proud to be playing a part in the journey to Net Zero and helping our customers make better geological decisions for a more sustainable tomorrow.

The Role

Our Software Engineers work across the full development lifecycle to build, enhance and maintain the company's commercial software products. This is a fully hands–on role delivering new commercial software features, within an Agile software development process that brings in requirements and knowledge from research, geoscientists, product and user stakeholders.

Translation of these requirements and materials into high-quality, well-engineered commercial software is the primary purpose of the role. You will also be expected to share knowledge and expertise across the technical delivery team and support a continuous improvement process as we increase automation around all aspects of the development lifecycle.

This role will focus on C++ development on our successful Geoteric Desktop platform and projects include implementing new workflows that enable end-users to leverage our sophisticated and ground breaking AI technology. There is scope to learn and use other languages, such as C#, as a part of an ongoing cloud transformation programme which will revolutionise the way solutions are delivered to our clients.

Success in this role will involve a proactive, flexible and inquisitive approach, alongside a desire to work in a highly collaborative team environment.

Responsibilities

- Delivery of commercial quality software within an Agile environment
- Actively participate in the resolution of complex technical problems
- Continually improve the software delivery process

- Ensure estimates and plans are technically accurate and up to date
- Ensure design and implementation adhere to standards
- Maintain appropriate design and coding standards
- Share knowledge of the code-base and encourages "shared code ownership"
- Identify new technologies which will improve our software
- Take ownership of code quality and drives continuous improvement.

Personal Profile

- Appropriate qualifications and/or experience in a Software Engineering discipline
- 5+ years' experience in software development within a commercial environment
- 2+ years' experience in Agile software methods and practices, specifically Scrum
- Substantial experience in using C++ in a commercial environment
- Knowledge of C#, Angular, Ruby, NoSQL, Python or TensorFlow machine learning, messaging, or distributed computing is highly desirable
- Experience in using design patterns and refactoring techniques
- Knowledge and experience of continuous delivery pipelines such as GitLab
- Familiarity with a test-first development methodology such as TDD or BDD
- Awareness of public cloud architectures, including AWS or Azure
- Familiarity with modern architecture methods such as TOGAF
- Understanding of containerised software using Docker and Kubernetes
- Awareness of test automation
- Data led API design and implementation using OpenAPI.

Relationships

The role reports to a Feature Team Lead.

Location

The position is based in the Geoteric Newcastle office with the flexibility to work from home regularly, or may be based remotely.

Salary & Benefits

A competitive salary will be offered in line with skills and experience. We offer a comprehensive range of benefits including……………….

- Pension Plan
- Life Insurance
- Private Health Care
- Discounted retail scheme
- Holiday purchase
- Personal Development Plan
- Udemy subscription
- Time off to volunteer
- Cycle to Work scheme
- 'Borrow my Doggy' subscription