

# Software Engineer

## The Company

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 geological evaluation software complete with our integrated intelligence offering allows interpreters to combine their knowledge with the best possible picture for a more detailed understanding of the subsurface.

## The Role

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

Translation of these requirements and materials into high quality, well planned and documented commercial software features is the primary purpose of the role. You will also be expected to share knowledge and expertise across the Technology Group and support a continuous improvement process.

As part of our ongoing evolution, we are embarking on a major cloud transformation project which will redefine how we deliver our software. Our software engineers will be pivotal in achieving these strategic goals.

## Responsibilities

- Delivery of commercial quality software
- Actively participate in resolution of complex technical problems
- Works to continually improve the software delivery process
- Ensures estimates and plans are technically accurate and up to date
- Ensures design and implementation adhere to standards
- Maintains appropriate design and coding standards
- Shares knowledge of the code-base and encourage "shared code ownership"
- Identifies new technologies which will improve our software
- Takes ownership of code quality and drives continuous improvement.

## Qualifications, Experience and Skills

- Appropriate qualifications and / or experience in a Software Engineering discipline
- 5+ years' experience of software development within a commercial environment
- 2+ years' experience in Agile software methods and practices, specifically Scrum
- Familiarity with modern architecture methods such as TOGAF
- Experience of using C# and C++ OR Angular, UX Design, UI Design, HTML5, C# in a commercial environment
- Knowledge of Ruby, NoSQL, Python or TensorFlow machine learning, messaging or distributed computing highly desirable
- Experience of using design patterns and refactoring techniques
- Relevant certification in Testing & Quality Assurance, or equivalent experience
- Experience in a commercial R&D or scientific software development environment
- Knowledge and experience of continuous delivery pipelines such as GitLab
- Experience of end to end test automation
- Familiarity with a test first development methodology such as TDD or BDD
- Experience in public cloud architectures including AWS and GCP
- Implementation of containerised software using Docker and Kubernetes
- Data led API design and implementation using OpenAPI.

## Relationships

The role liaises closely with key stakeholders across Geoteric and will be mentored by a senior member of the Development team.

## Location

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