

Senior Automation 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 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

To provide expert technical direction, advice, guidance and discipline on test automation and release matters to the software development and research teams. This role will shape and implement the test automation architecture and strategy required to enable our cloud native product roadmap.

Responsibilities

- Defining and delivering the continuous integration, testing and deployment strategy.
- Establishing well architected CI/CD based test automation within Geoteric.
- Ensuring a cohesive approach to test automation across teams.
- Adopting cloud technology where appropriate to reduce TCO and shorten timescales.
- Driving automation of testing and release processes.
- Ensuring that testing is considered during all phases of agile delivery.
- Seeking new and innovative ways to assess overall product quality.
- Create and review automated test scripts and scenarios.
- Review user stories and ensuring alignment with automation.
- Where necessary, hands on testing of ser stories.
- Oversee the iterative decomposition of stories into automated acceptance & regression tests.
- Selecting appropriate tools, technologies and frameworks to support the testing process.
- Liaising with 3rd party vendors to ensure issues are resolved promptly.
- Engaging with software development teams to ensure 'testability' is baked in and the test automation architecture is well understood.

Qualifications, Experience and Skills

Essential:

- In-depth knowledge and experience in designing and applying test automation systems and technologies.
- API testing using OpenAPI standards.
- Test automation tooling from a selection of vendors, but must include Cucumber and Selenium.
- Programming competence in Python and ideally C#, or any structured, modern programming language (JAVA, C, C++).
- Experience of ground up CI/CD implementation, ideally with TeamCity
- Linux and Windows scripting.
- Full Project Lifecycle experience in an agile commercial development.

Preferred

- Certification or equivalent experience with public cloud vendors.
- Experience or interest in UI test automation tools focussing on Angular.
- Additional programming languages such as Ruby, JS, C++, or Go
- Messagin and EDA testing experience.
- Deployment using Kubernetes and Docker.

Personal Competencies

- A technical evangelist with the ability to develop and convey complex architectures.
- Forward thinking - considers future strategy, requirements, and implications for Geoteric.
- Evangelises testing and ensures effective cross team communication and dissemination of work practices.
- Demonstrates an understanding and willingness to work in the commercial interests of business.
- Takes ownership for success both at a personal level and within any team context.
- Can deal effectively with a range of tasks and priorities concurrently.
- Prepared to 'go the extra mile' to ensure deadlines are met and/or resolve issues.
- Generates a sense of pride in the team about Geoteric's functionality while recognising areas for future improvement.
- Actively stepping in where necessary to ensure team effectiveness.

Relationships

This role will liaise closely with the Head of Architecture, Head of Development & Delivery, Commercialisation Manager and other Stakeholders. Occasional travel to other office locations and customer sites may be required.

Location

The position is based in the Geoteric Newcastle office, and may also be offered on a remote working basis.

Salary & Benefits

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

- Generous holiday allowance
- 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