

## Job description: Quality Assurance Engineer

Salary in the region of £30K pa

### Overview of the role

We are looking for a quality assurance engineer to join our Instruct development team. You would provide support to the development team to ensure consistency and quality throughout software releases. Our software, ARIA, is in use across Europe by a rapidly increasing number of facilities and organisations to provide high-level support to their access users. You would join the Instruct Operations team which is an interdisciplinary group of scientists, administrators and developers that coordinate and administer the provision of research infrastructure services to a largely European structural biology community.

You will be supporting the delivery of ARIA platform software alongside the existing development team. You will be responsible for testing of all of the development work undertaken by the team as well as writing efficient unit tests to expedite code review. Your specific responsibilities would include: building unit tests, browser testing, writing documentation and establishing continuous integration pipelines. You will perform a key role in the maintenance, updating and further development of our websites and ARIA platforms and liaising directly with our collaborative developers across Europe.

You must have demonstrated experience in ensuring quality of software delivery through automated and managed workflows to ensure consistency of service. You must have good communication skills with people of different technical experience levels. You will hold an honours degree in computing science or related field or have equivalent experience.

This is a full-time appointment, fixed term for 1 year in the first instance and based at the Instruct-ERIC Hub in Oxford, UK. You are asked to upload a CV and supporting statement as part of your application. Only applications received before 31<sup>st</sup> May 2019 can be considered.

Please quote ref. INST005 on all correspondence.

### Responsibilities/duties

- Full testing of each of the releases of ARIA;
- Own the creation and maintenance of effective unit testing;
- Working alongside existing developers to ensure code conformity and quality;
- Maintain standards in line with customer SLAs;
- Liaise with developers and product owners to assist with the production of high-quality user-facing documentation for software and APIs;
- Escalate issues within the team where necessary.

## Selection criteria

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#### Essential skills

- Experience of using testing tools (e.g. Postman, Selenium, QTP);
- Demonstrated knowledge of unit-testing frameworks and ability to construct and execute effective tests;
- Experience of PHPUnit test cases and models;
- Good interpersonal and communication skills;
- A degree or equivalent experience in computing science or related field;
- Knowledge of issue management software (e.g. JIRA, Bugzilla)
- Demonstrated ability to work within a team;
- Attention to detail at all levels.

#### Desirable

- Understanding of CI/CD pipelines;
- Knowledge of code-profiling tools;
- Experience of developing simple PHP applications;
- Some knowledge of kubernetes, docker and containerisation;
- Awareness of best-practice software security.

Instruct-ERIC is a service provider for the European structural biology community. It provides access to high-value structural biology facilities from where researchers can undertake important research. Service delivery is managed through an on-line portal through which users can apply, choose, schedule and complete their research work. Instruct-ERIC is one of 13 RI service providers in Europe and the objective is to integrate the systems of each RI into a single entry point to facilitate cross-RI service provision.

Instruct-ERIC is funded by the national membership contributions of ten European Member States and the Coordination Hub is based in Oxford, UK.

Instruct-ERIC provides a contributory pension scheme, 38 days leave inclusive of public holidays.

Instruct-ERIC is an equal opportunities employer.

Applications should be sent by email to Mr Callum Smith ([callum@instruct-eric.eu](mailto:callum@instruct-eric.eu)) and include:

1. A statement letter outlining your suitability for the role;
2. A curriculum vitae;
3. The names of three referees;
4. A statement on your right to work in the UK

Interviews will be held in the week commencing 3<sup>rd</sup> June 2019 in Oxford, UK with a pre-selection interview being held 20<sup>th</sup> May 2019.