



JOB DESCRIPTION

Job Title: Scientific Software Engineer – Database Technologies Specialist

Group: Scientific Software Development

Salary Band: TBC

Reports to: Capacity Manager C++ / Python

ROLE PURPOSE

The post holder will help to design, develop, release, maintain and support software and systems at CCDC as part of the software development team.

The post holder will use their database and SQL expertise to develop and integrate new CCDC software features, products and services. The post holder will take a leading role in defining and implementing CCDC data storage infrastructure. They will promote data handling and storage best-practise through the development team and more widely across the CCDC.

MAIN DUTIES AND RESPONSIBILITIES

1. Develop scientific software, including for efficient searching and maintenance of chemical databases
2. Extend and enhance access to scientific CSD data through the development of database systems and data-driven software
3. Provide data persistence and data access systems for CCDC technologies
4. Assist in the deployment and maintenance of software for use both internally at CCDC and externally by users
5. Assist in the design, implementation and maintenance of data storage infrastructure
6. Adhere to software development practices and standards adopted at CCDC
7. Assist scientific and technical support
8. Work alongside Product Owners/Product Managers to understand the needs of end-users



9. Share best-practise techniques for developing efficient and maintainable data access code for use in CCDC products and services
10. Take a leading role in promoting best-practise for data security and management.

This job description and person specification are only an outline of the tasks and responsibilities required for the role. The job holder will carry out any other duties as may be reasonably be required by their line manager.