

<p>PERSON SPECIFICATION Assessment for recruitment requirements and competencies</p>

JOB TITLE: **Software Engineer**

DIVISION/DEPARTMENT: **Science**

LINE MANAGER: **Senior Software Scientist**

		SPECIFY ESSENTIAL(E) DESIRABLE (D)
SKILLS/ABILITIES	Ability and initiative to get to the heart of the problem and take it effectively through to completion.	E
	Ability to supervise or mentor small teams of more junior technical or administrative roles	D
	Good interpersonal, communication and presentational skills	E
	Enjoys team work.	E
	Self motivated, interested in keeping pace with best practise software development techniques.	E
	Ability to interact effectively with staff at all levels	E
	Available to travel occasionally in UK and overseas including overnight absences	D
KNOWLEDGE AND EXPERIENCE	Experience of programming languages such as Java, JavaScript, Python and PHP	E
	Experience of test driven development including unit testing, continuous integration and GUI testing frameworks such as Squish.	D
	Use of front end JavaScript web development frameworks such as backbone, marionette, angular, react	E
	Experience of backend web application frameworks (such as PHP Slim, Django, Play Framework)	D
	Background in using software engineering techniques for development	E
	Experience of UNIX-like operating systems.	D
	Experience and knowledge of database storage technologies RDBMS and NoSQL	D
	Experience or understanding of synchrotron experimentation and data interpretation	D
	Requires significant practical experience in a professional, scientific or technical field.	D
	Project management experience.	D