**BRC Data Scientist**

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| **Police Staff****BRC Data Scientist****Information & Communication Technologies Department****Role Definition: 20825** |

 **ROLE DEFINITION**

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| Dept / Area Command: | Information & Communication Technologies Department  | http://domcms/icons/ecblank.gif | Section: | Application and Data Management |
| Post Title: | BRC Data Scientist | http://domcms/icons/ecblank.gif | Post Reference: |  20825 |
| Post Grade: | Grade I | http://domcms/icons/ecblank.gif | Location: | As required within the Force area including home working |
| Car User Status: | Casual | http://domcms/icons/ecblank.gif | Telephone Allowance: | Mobile Provided |
| Shift Allowance: |   | http://domcms/icons/ecblank.gif | Standby Allowance: |   |
| Weekend Enhancement: |   | http://domcms/icons/ecblank.gif | Contractual Overtime: |   |
| Line Manager: | Principal Data Manager |
| Staff Responsibilities: | No line management responsibility |
| Purpose: | To support the data migration process for the Force’s Back Record Conversion project by performing data processing, validation and quality assurance, ensuring data successfully meets the requisite level of quality.  |
| Vetting: | RV – access to official sensitive and occasional secret information |

**Key Responsibilities:-**

1. Provide advice and direction on the data validation strategy, as well as making recommendations on suitable tools and techniques
2. To run and monitor the developer-produced Java batch jobs across multiple servers making sure they complete successfully and that the expected XML output is generated.
3. Process XML output files through the test harness while monitoring/investigating validation errors.
4. Perform root cause analysis to identify and trace quality issues in SQL and XML data formats.
5. Creation/execution of SQL queries/scripts to validate the ETL process, supporting testing phases.
6. Creation/execution of SQL scripts to populate database tables with test and sample data, supporting testing phases.

 The postholder may be required to undertake such other responsibilities as are reasonably commensurate with the grade of the post.

**Essential Skills, Experience and Qualifications**

* Educated to degree level (or equivalent relevant experience)
* Strong Data Analysis experience
* Experience of SQL queries and scripting
* Experience of XML data formatting
* Experience of relational and multi-dimensional data model design
* Good data quality assurance experience
* Experience of using an ITSM tool
* Excellent communication skills, both verbal and written

**Desirable:**

* Knowledge of Atlassian’s Jira ITSM solution
* Experience of working in a public sector or police force environment
* Knowledge of ITIL4 lifecycle