

PERSON SPECIFICATION – Data Scientist

Education and qualifications	Essential or Desirable
Educated to A level or equivalent	Desirable
Educated to degree level or equivalent	Desirable
Professional Certifications: Industry certifications in data science or related fields (e.g., Microsoft Certified: Azure Data Scientist, Google Professional Data Engineer).	Essential
Area of responsibility/expertise	
Proven experience in a data science role: experience working as a data scientist, ideally within social housing, public sector, or a related industry.	Essential
Experience with housing-related data: Experience working with social housing data systems (e.g., MRI, Northgate, Civica, or Orchard) and the ability to apply advanced analytics to operational challenges in housing.	Desirable
Track record of applying advanced analytics: Demonstrated experience in using machine learning, predictive modelling, and statistical analysis to solve real-world problems.	Desirable
Expertise in statistical modelling, predictive analytics, clustering, classification, and regression techniques.	Essential
Strong background in data mining, pattern recognition, and anomaly detection to improve service delivery.	Essential
Proficient in Python, R, or other relevant programming languages used for data science.	Essential
Strong skills in SQL and experience working with large databases and data warehouses.	Essential
Ability to create intuitive and informative visualisations using tools such as Power BI, Tableau, or similar platforms.	Essential
Strong understanding of the social housing sector, including regulatory requirements (e.g., Homes England, Regulator of Social Housing), key metrics, and challenges (e.g., rent arrears, tenant satisfaction, asset management).	Essential
Experience with machine learning libraries and frameworks (e.g., TensorFlow, Scikit-learn, PyTorch).	Desirable
Familiarity with cloud-based data platforms (e.g., Azure, AWS) and deployment of models in a production environment.	Desirable
	Essential
Proficiency in communicating complex technical insights to non-technical stakeholders through visuals and storytelling.	Desirable