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| **Name:** |  | **Job title:** | Senior Data Scientist |
| **Reports to:** | Data & Machine Learning Product Manager | **Date completed:** |  |
| **Business area:** | Rescue / Green Flag | | |
| **Purpose of Role**  Green Flag is going through an exciting transformation to be a leading digital and data business within the motoring industry. We have started our transformation to develop cutting edge cloud-based data and analytics platforms (AWS) to inspire staff to use data in creative ways to develop data products to improve and personalise customer experience and drive commercial value. Our small but growing Data Science team is central to the development of future products.  This role will play a leading role to deliver Green Flag’s data product strategy by enabling the effective use of data to drive better decision making through machine learning and analytics solutions. This role will have access to a wide range of internal and external data sets, such as digital customer journeys, telematics / in-car diagnostic data, breakdown data and sales data. This is a hands-on technical leadership role. Data science analysis and modelling will be the primary focus, but experience in data engineering will be a plus. | | | |
| **Key Accountabilities**  **Technical Delivery**   * Own and lead a number of key data science initiatives identified in Green Flag’s product strategy. Examples include, micro-segment pricing, personalisation of web and app customer journeys, next best action models for tailored customer experience and new Internet of Things products. * The role will enable this by working with both the Data Science team and Product Teams, as well as the wider business to anticipate, shape and deliver the Data Science work, taking responsibility for data, modelling and communication of analysis to stakeholders. * Clear and actionable insight through advanced analysis and interpretation of multiple complex data sets. * Able to prototype solutions to bring data science outputs to life for business stakeholders. * Contribute to the deployment of data science outputs, either through automated solutions or programming into production systems.   **Team Player**   * Mentor and sometimes direct the work of other team members, especially more junior members and stakeholders new to data and analytics. * Establish, capture, maintain and continually improve Data Science best practices, knowledge and standards, helping embed data analytics methods from business understanding to modelling and deployment. For example, agile methods, test and learn and iterative development.   **Data Strategy**   * Contribute and input into the Green Flag data strategic road-map, especially by contributing to how Green Flag develops more machine learning and artificial intelligence solutions to better enable the Green Flag business. * Demonstrate and lead the “art of the possible” showcasing new capabilities and driving innovation within the immediate data science team, Green Flag and wider data science community in DLG and identify other capable stakeholders. * Using commercial awareness, influence and communicate across multiple business areas and stakeholders to promote new opportunities for data to be leveraged effectively, for example, how data science can be used within front-line operations (sales and claims), or in the development of new propositions and products related to Rescue and vehicle technology | | | |
| **Technical Competencies & Behaviours (Values)**  *What are the core competencies (skills, knowledge and behaviours) required in this role?*  **Technical:** (*Recommended maximum 6-10):*   * Maths & Statistics: Skilled at modelling complex business problems and making predictions about future events. Capable of modelling and creating solutions for business challenges using linear algebra, calculus, frequentist and/or bayesian statistics. * Machine Learning: Able to build models – utilising distributed computing where appropriate – and work with engineers to deploy them in new or existing software applications. * Programming & Advanced Computing: Skilled at object oriented or functional programming. Python is a must, but skills in R, Scala, Spark are nice to have. Familiar with linux/unix shell scripting and version control. Experience in AWS machine learning tools, such as Sagemaker, would be ideal. * Data management and preparation: Able to query, prepare and analyse data in structured methods a range of databases, notably SQL. * Consulting: working in dynamic environments, problem solving for commercial challenges. * Data Visualisation: Such as AWS QuickSight, Tableau, D3 or other open source tools. | | | |