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| **Job Title** | **Senior Data Engineer (GCP/Looker Specialist)** |

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| **Reporting to**  | Head of Data & Analytics, PROOF Insight |
| **Business Unit** | C&C GB |
| **Department**  | PROOF Insight |
| **Location**  | Any Group Location |
| **Travel Requirements (if applicable)** | Travel to all C&C group and PROOF client locations as & when required |

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| **Role Summary**  |
| * Develop, build, and maintain data ingestion pipelines and storage facilities to underpin the delivery of the PROOF Analytics platform
* Manage and merge internal & external data sources, and prepare this data for analytical processing and data visualisation
* To deliver on performance targets for PROOF Insight as a key component of the PROOF’s Data & Analytics Team
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| **Key Accountabilities**  |
| * Translate business needs to technical specifications
* Maintain and support data visualisation and analytics platforms (specifically Looker, but also PowerBI)
* Create tools to store and enable access to data (e.g. OLAP cubes)
* Collaborate with internal & external data teams to integrate systems
* Develop and update technical documentation
* Work with external stakeholders to enable automation acquisition/delivery of data in a secure and automated way
* Ensure change control processes are in place and adhered to
* Develop and execute ad hoc data queries upon request
* Conduct unit testing and troubleshooting
* Develop, manage, and test back‐up and recovery plans
* Database tuning, optimisation, maintenance plans, and security
* Data will be captured, modelled, and validated across the businesses to ensure the very best information & intelligence is delivered to key stakeholders
* Working with the team, the Senior Data Engineer will ensure that end users have access to the appropriate secure, automated data feeds to enable the production of richly visualised dashboards for both internal and external stakeholders
* In addition to this the Senior Data Engineer will work with the wider Data and Analytics Team, Commercial Finance, IT, and external data partners to ensure all data, rules, and logic are up to date, follow best practice principals, and are fully documented to ensure consistent accurate reporting of transactional data
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| **Key Stakeholders** |
| * PROOF Insight - Data & Analytics Team
* PROOF Insight - Management Team
* PROOF Insight - PROOF Analytics customers, both internal and external
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| **Skills** |
| **Required*** Expertise in Google Cloud Platform (GCP) technology stack including Storage Buckets, BigQuery, Airflow Composer, Vertex AI, Looker
* Expertise in SQL Server Integration Services (SSIS)
* Expertise in solution architecture, analysis, and development
* Expertise in dimensional modelling and data marts (Kimball methodologies)
* Expertise in data analysis and data management including data quality checking and data audits
* Expertise in transactional and real‐time database design, development, and maintenance of database applications on SQL Server in High Volume OLTP/OLAP/BI environment
* Expertise in Python, specifically around ETL, data analysis, and visualisation (e.g. pandas, numpy)
* Expertise in collaborative code writing and distributed version control (GIT, Azure DevOps)
* Experience implementing and supporting data visualisation platforms such as Looker, Power BI, Tableau, etc
* Experience with SQL Server Reporting Services (SSRS)
* Experience in developing and maintaining SQL Server Analysis Services (SSAS) cubes (multidimensional and tabular)
* Experience in SQL Server 2012/2016 (configuration, agent scheduler, security)
* Experience in performance tuning and handling performance issues with I/O, CPU & Memory
* Experience in creating rich visualisations in Looker
* Experience developing documentation of systems, policies, and procedures
* Technical Lead with 3rd Party Business Partners
* Technical mentor and leadership
* Understanding, adherence and keeping abreast of relevant information legislation, such as the Data Protection Act and GDPR
* Data migration experience in SQL, On‐Prem & Microsoft Azure writing MDX queries for extracting the data from cubes along with using within reports and used MDX functions in calculated members within cube, analysis and reporting SSAS cubes in Excel Pivot table
* Experience of other BI tools (e.g., Business Objects, Cognos, Tableau, Qlik)
* Full systems development lifecycle, following Agile, Scrum and Waterfall methods
* Technical analysis, support & issue resolution

**Desirable*** Certified SQL MCP or MCSE level
* ITIL Foundation
* Experience provisioning and maintaining Microsoft Azure resources; Azure Services Azure Data Warehouse, Azure Data Factory
* Experience in development on SQL server Azure database; experience in migration from Data centre to Azure and from SQL Server (2005‐2016)
* Experience of creating tabular models in Power Pivot and use of DAX Query/expressions within Tabular data models, understanding of PowerPivot gallery and Power View reports in SharePoint integrated mode
* Experience in the Drinks or Supply Chain industry
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| **Experience and Qualifications** |
| * Bachelor’s Degree (minimum 2:1) awarded in IT/Computer Science or highly numerate course such as economics, statistics, mathematics, or a related quantitative field
* Significant experience (+7 years) in architecting, designing, and implementing business intelligence solutions within a commercial environment
* Expert in managing data ingestion and storage, pipelines and processes, implementation of data schemes, and in preparing data for analytics and visualisation
* Extensive experience using Google Cloud Platform including Google BigQuery, Airflow, Vertex AI; Google Looker
* Extensive experience using Microsoft full BI Stack, PowerShell, PowerPivot, PowerView, DAX, VBA, Azure, Azure DevOps (desirable)
* Experience working in architecting Data Warehouses and data models using SSIS to write ETL script to manage data flows
* Knowledge around interrogating ERPs and highly knowledgeable in database best practices including performance optimisation and isolation
* Intellectually flexible, objective, innovative, collaborative, and constructively challenging
* Enthusiastic, project-oriented team player with strong written and verbal communication skills
* Excellent communication skills and the ability to clearly articulate concepts and ideas to the widest possible audience
* Fluency in English (verbal and written) is essential
* Able to develop creative solutions for challenging client needs
* Ability to work in a team and to work well under pressure in a varied and fast-paced environment
* Ability to use your drive, creativity, and initiative to move the organisation forward
* Ability to take responsibility for shaping and delivering projects
* Able to work to tight deadlines under pressure
* Interested in keeping up to date with developments in new technology
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