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| Role Title  | Data Architect |
| Function & Dept. | SCC Digital |
| Career Growth Level | Contributing & Developing (D)  |
| CGP Descriptor  | Qualified specialists, recognised for their expertise, serving as pivotal contributors in various domains. These specialists play a vital role in influencing and shaping new business strategies, policies, practices, and content, catering to both external and internal customers. Their responsibilities may encompass problem-solving and the development and execution of purpose-driven solutions, often of a complex nature, to meet the specific needs of both external and internal customers |
| Team  | Cloud Services |
| Reports to | Head of Delivery |
| Role Purpose  | Specialist Computer Centres are Europe’s leading provider of IT services and solutions. Demand for our Data services continue to grow both from existing and new customers creating a real career opportunity for a talented individual to join our team.The role of Data Architect is a pivotal one within the data team, and we are seeking candidates with deep diverse technical experience who can be trusted advisors, architecting forward-thinking solutions centred around the Microsoft Data Services Portfolio that solve our customers data challenges.The ideal candidate will possess deep expertise in leveraging Azure’s extensive suite of tools and services to build scalable, secure and efficient data architectures. This role demands a visionary approach to architecting data systems that harness the full potential of the cloud. |
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| Key Responsibilities  |
| 1. | Ability to collect and understand customer business requirements and translate those requirements into an actionable data warehouse design and implementation plan. |
| 2. | Lead the implementation of data pipelines, ETL/ELT processes, and data integration solutions using Azure Data Factory, Azure Synapse, and other relevant tools. |
| 3. | Collaborate with infrastructure teams to design and implement robust and scalable Azure data architectures, including networking, security, and high availability considerations. |
| 4. | Ability to define and implement best practices across database design and ETL. |
| 5. | Evaluate and recommend appropriate Azure services and technologies to optimize data architecture, performance, scalability, and cost-effectiveness. |
| 6. | Develop strong technical relationships with customers and ensure that SCC are always perceived to be valued advisors. |
| 7. | Ensuring that all design and implementations follow information security best practices and any information assurance compliance requirements |
| 8. | Able to stay updated on industry trends, emerging technologies, and best practices in cloud-centric data environments. Pursue training and certifications to enhance skills and knowledge. |
| 9. | Develop comprehensive documentation for data architecture, processes, and solutions, ensuring clarity and consistency. |
| 10. | Able to define Data Governance practices and confidently communicate them to stakeholders. |
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| Person Specification  |
| 1. | Demonstrable evidence of working with customers to develop data solutions resulting in successful business outcomes |
| 2. | Excellent communication (verbal & written), organisational, data interpretation, analytical, presentation, interpersonal, influencing and leadership skills. |
| 3. | Proven multi-year experience in a Data Architecture role with a strong understanding of architecture frameworks, data modelling and data warehousing, ideally obtained within an MSP environment |
| 4. | In-depth knowledge and practical experience with Microsoft Data Services Portfolio including PowerBI, SQL, Azure Data Factory, Azure DataLake, Databricks, Azure functions, Logic Apps, and most importantly Synapse. Ideally some experience with Microsoft Fabric. Azure certifications such as Azure Solutions Architect Expert or Azure Data Engineer Associate would be valuable. |
| 5. | Experience defining data lake and data warehousing architectures and supporting schemas and pipelines |
| 6. | Logical and process orientated; ability to understand the customer’s journey. |
| 7. | Creation of high-quality architectural proposal, design and configuration documentation, creating clear, consistent, and comprehensive artifacts. |
| 8. | Flexibility - Comfortable with evolving solutions and finding the most effective path to implementation, working best in an environment of rapid change. Ideally some experience in Agile development methodologies |
| 9. | Analytical - Given a problem you’ll dig to find possible solutions, and work with your team when needed. |
| 10. | Hands on experience in programming languages such as SQL, Python, or Scala |
| 11. | Must be able to obtain the Government and/or Police Security levels required to meet the operational requirements of the role (no caveats) and as per the requirements stipulated in relevant customer contracts. |
| 12. | Technically creative and open-minded, with a passion for data and valuable customer outcomes. |

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| Key Competencies |  | Level |
| 1. | Quality Ownership | 2 |
| 2 | Data/Information Collection & Management | 3 |
| 3. | Data Analysis & Reporting | 3 |
| 4. | Data Storage Management | 3 |
| 5. | Planning & Organising | 2 |
| 6. | Presentation Skills | 2 |

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| Value Behaviours  |  | Level |
| 1. | Responsibility  | 1 |
| 2. | Passion  | 1 |
| 3. | Customer First  | 1 |
| 4. | Agility  | 1 |
| 5. | Family  | 1 |

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| Version  | Date  | Description  | Approved by  | Date  |
|  | November 2023  | Original  | HR  | November 2023  |