

**JOB DESCRIPTION & PERSON SPECIFICATION**

**Director Area:** Resources

**Job Ref Number:** 04100

**Service Area:** IT

**Grade:** G11

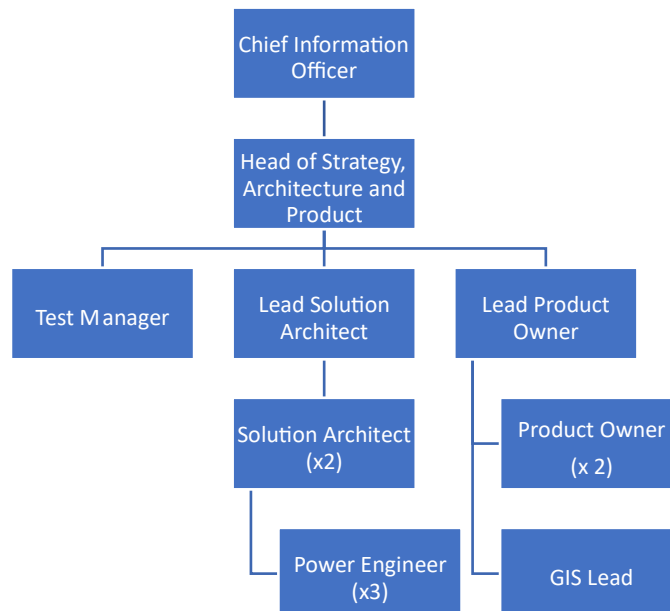
**Job Title:** Power Engineer

**PURPOSE OF JOB:**

The Power Engineer is responsible for development of solutions across the Microsoft Power Platform suite of tools. Responsibilities will range from building small scale applications to support business teams, assurance of supplier-build capability and building prototypes to support Ideation processes within business team.

The postholder will work closely with business and technical teams to implement solutions using Microsoft Power Platform, Microsoft Fabric, and ensure compliance with data governance frameworks such as the Government Digital and Data Profession (GDAD) framework. They will provide technical leadership in data integration, automation, and analytics, ensuring effective use of enterprise systems, and cyber security tools such as Tenable.

**TEAM STRUCTURE:**



**MAIN DUTIES:**

1	<p><b>Data Pipeline, ETL Development and CI/CD pipelines</b></p> <ul style="list-style-type: none"> <li>• Design and implement scalable data pipelines to support data integration and transformation.</li> <li>• Develop ETL workflows to ensure seamless data movement across systems.</li> <li>• Optimise data pipeline performance to improve processing efficiency and reliability.</li> <li>• Build out Continuous Integration \ Continuous Delivery pipelines, working closely with other Developers and Testers as required</li> </ul>
2	<p><b>Database and Data Model Management</b></p> <ul style="list-style-type: none"> <li>• Develop and maintain data models for structured and unstructured data.</li> <li>• Ensure database designs support business intelligence, reporting, and analytics.</li> <li>• Align data architecture with enterprise governance and compliance standards.</li> </ul>
3	<p><b>Stakeholder Engagement and Requirements Definition</b></p> <ul style="list-style-type: none"> <li>• Engage with business teams to gather data requirements and translate them into actionable solutions.</li> <li>• Work with analysts and developers to ensure data solutions meet reporting and operational needs.</li> <li>• Ensure data solutions align with strategic objectives and enhance service delivery.</li> </ul>
4	<p><b>Use of Microsoft Power Platform and Fabric</b></p> <ul style="list-style-type: none"> <li>• Develop Power Apps and Power Automate workflows to automate data processes.</li> <li>• Leverage Power BI to create advanced data visualisations and analytics dashboards.</li> <li>• Ensure optimal use of Microsoft Fabric for data storage, processing, and integration.</li> </ul>
5	<p><b>Data Security and Compliance</b></p> <ul style="list-style-type: none"> <li>• Ensure all data solutions comply with security best practices, GDPR, and regulatory standards.</li> <li>• Implement robust access controls to safeguard sensitive data assets.</li> <li>• Work closely with cybersecurity teams to mitigate data-related risks and enforce data protection policies.</li> </ul>
6	<p><b>Optimisation and Troubleshooting</b></p> <ul style="list-style-type: none"> <li>• Monitor data pipelines and address integration issues to maintain data consistency.</li> <li>• Continuously improve data performance through automation and performance tuning.</li> <li>• Investigate and resolve system bottlenecks impacting data workflows and analytics.</li> </ul>
7	<p><b>Integration of Line-of-Business Systems</b></p> <ul style="list-style-type: none"> <li>• Support seamless integration of ERP, CRM, and other key business applications.</li> <li>• Ensure consistent and accurate data exchange across integrated platforms.</li> <li>• Develop APIs and data connectors to enhance system interoperability.</li> </ul>
8	<p><b>GIS and Spatial Data Integration</b></p> <ul style="list-style-type: none"> <li>• Ensure GIS data within ESRI ArcGIS is accurately structured for analysis and reporting.</li> <li>• Support spatial data integration into business intelligence and operational workflows.</li> <li>• Develop spatial analytics solutions to improve decision-making and service delivery.</li> </ul>
9	<p><b>Cloud and Hybrid Data Architecture</b></p> <ul style="list-style-type: none"> <li>• Implement and manage cloud-based data solutions using Microsoft Fabric.</li> <li>• Ensure hybrid cloud strategies optimise data performance, cost, and security.</li> <li>• Work with IT teams to ensure effective cloud data governance and compliance.</li> </ul>
10	<p><b>Governance, Compliance, and Data Quality Assurance</b></p> <ul style="list-style-type: none"> <li>• Ensure alignment with the Government Digital and Data (GDAD) framework for data governance.</li> <li>• Implement validation techniques to maintain high data quality and integrity.</li> <li>• Support regulatory and audit requirements through structured data management policies.</li> </ul>

11	<p><b>Automation and Process Efficiency</b></p> <ul style="list-style-type: none"> <li>• Develop automated workflows using Power Automate to streamline data processes.</li> <li>• Support continuous improvement initiatives by automating data validation and transformation.</li> <li>• Promote best practices in low-code/no-code automation for data management.</li> </ul>
12	<p><b>Performance Monitoring and Data Analytics</b></p> <ul style="list-style-type: none"> <li>• Define and track key performance indicators (KPIs) for data solutions.</li> <li>• Develop dashboards and reports to monitor data trends and user engagement.</li> <li>• Use analytics to drive continuous improvement in data accessibility and decision-making.</li> </ul>

**PERSON SPECIFICATION**

Requirements	Where identified*	Essential	Desirable
Strong expertise in Microsoft Power Platform, including Power BI, Power Automate, and Power Apps.	A, I, P	X	
Experience working with Microsoft Fabric for cloud-based data management.	A, I	X	
Knowledge of database management, SQL, and data modelling best practices.	A		X
Experience ensuring data security, compliance, and governance best practices.	A, I	X	
Ability to optimise power platform solutions for performance, reliability, and automation.	A		X
Strong analytical and problem-solving skills	A	X	
Experience collaborating with stakeholders to define and implement data solutions.	A	X	
Experience working within Agile project teams, including the writing and sizing of technical stories and tasks.	A, I	x	
Knowledge of the Government Digital and Data (GDAD) framework and its application in data governance.	A		X

\*A = Application form      T = Test/Assessment      I = Interview      P = Presentation

## **GENERAL**

The postholder is required to take personal responsibility for contributing to organisational transformation and changes in ways of working, maximising the benefits and efficiencies for both internal and external customers, including the promotion and use of self-service to achieve maximum cost effectiveness.

The postholder is expected to work to the Lincolnshire County Council Core Values and Behaviours and to carry out the duties in accordance with Lincolnshire County Council policies.

**Other Duties** - The duties and responsibilities in this job description are not exhaustive. The post holder may be required to undertake other duties within the general scope of the post. Any such duties should not substantially change the general character of the post. Duties and responsibilities outside of the general scope of this grade of post will be with the consent of the post holder.

**Safeguarding** -. All employees need to be aware of the possible abuse of children and vulnerable adults and if you are concerned you need to follow the Lincolnshire County Council Safeguarding Policy. In addition employees working with children and vulnerable adults have a responsibility to safeguard and promote the welfare of children and vulnerable adults during the course of their work.