

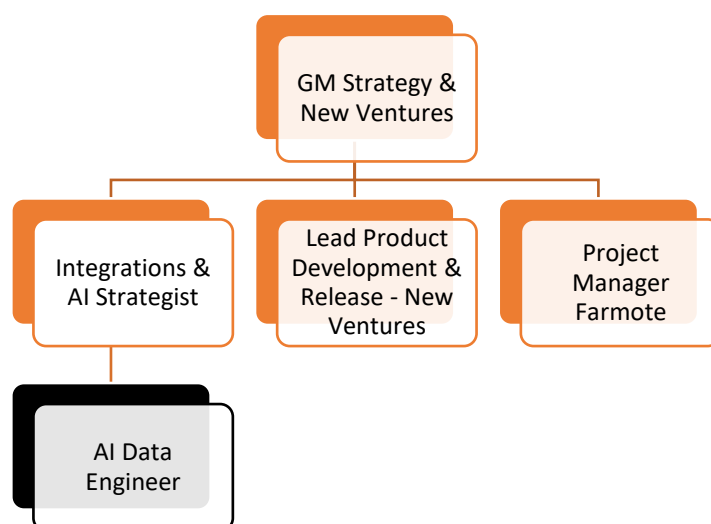
POSITION DESCRIPTION

Position Title: AI Data Engineer	Direct Manager: Integrations & AI Insights Strategist	
Budget Responsibility: N/A	Direct Reports: N/A	Indirect Reports: -

WHAT YOU'RE HERE TO ACHIEVE

The Data Engineer with an AI focus will be responsible for designing, developing, and maintaining scalable data pipelines using Databricks, integrating diverse data sources to support advanced analytics solutions. This role involves ensuring data quality and governance, optimizing data architectures for real-time analytics, and collaborating with cross-functional teams to translate business requirements into effective technical solutions aligned with strategic goals in the AgTech sector.

WHERE YOU'LL FIT IN #TEAMGALLAGHER



WHO YOU'LL BE WORKING WITH

INTERNAL RELATIONSHIPS	EXTERNAL RELATIONSHIPS
Strategy & New Ventures teams Development and Product Teams, core and edge IS	3 rd party stakeholders Industry groups

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WHAT YOU'LL BE DOING

Key Accountability	Outcomes/ Expectations
Data Pipeline Development	Design, develop, and maintain scalable data pipelines using Databricks to integrate data from diverse sources, including IoT devices, farm management systems, and external datasets.
Analytics Enablement:	Collaborate with data scientists and analysts to build robust analytics solutions and visualizations that provide meaningful insights for both the Edge and Core teams. Analyze data generated from integrations to build relevant models and other operational insights.
Data Quality & Governance	Ensure the accuracy, consistency, and security of data throughout the ETL/ELT processes, implementing best practices for data governance.
Infrastructure Optimization	Design and optimize data architectures to support real-time analytics, ensuring the infrastructure meets the evolving needs of the Edge division and Core product solutions.
Business Alignment	Translate business requirements into technical solutions that maximize profitability and operational efficiency for farmers, aligning data initiatives with Gallagher's strategic goals.
Continuous Improvement:	Identify opportunities to enhance data processes, tools, and infrastructure, driving efficiency and innovation within the data engineering workflows.
Documentation & Best Practices	Implement and maintain comprehensive documentation, monitoring systems, and version control to uphold high standards in data engineering practices.
Data Utilization and Insights	Identify opportunities for the development of software tools that provide advanced insights, aiding customers in automating their operational decisions.
AI and Automation Initiatives	Support AI projects aimed at enhancing customer success, operations, marketing, and product development
Technology stewardship	Stay current with industry trends and emerging technologies in Data engineering and AI..

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Including any other duties not specified that may be required to complete the role, and as requested by the Reporting Manager.

HOW YOU'LL BE DOING IT

Education - Bachelor's degree in Computer Science, Software Engineering, or a related, a Master's degree is a plus.

Experience:

- 3+ years of experience in data engineering or related roles, preferably within the AgTech or animal management industries.
- Experience advising on large-scale integration projects and implementing scalable solutions.
- Familiarity with AI, IoT devices, and automation technologies in industrial or agricultural settings.
- Experience with AI and machine learning applications, especially in data analytics.
- Familiarity with data management and visualization tools.

Technical Skills:

- Proficiency with **Databricks**, **Apache Spark**, and other modern big data tools.
- Strong command of **SQL**, **Python**, or **Scala** for data manipulation and pipeline development.
- Experience with cloud platforms such as **AWS**, **Azure**, or **Google Cloud** and data warehousing solutions like **Snowflake** or **Redshift**.
- Knowledge of data integration techniques, APIs, and handling both structured and unstructured data sources.
- Familiarity with DevOps practices, CI/CD pipelines, and infrastructure-as-code (IaC) tools.

Analytical & Problem-Solving Skills:

- Ability to translate complex business needs into effective technical solutions.
- Strong problem-solving skills with a focus on enhancing product solution integration and insights.
- A growth mindset and thirst to push the boundaries of conventional thinking in the service of our customer

Collaboration & Communication:

- Excellent communication skills to effectively collaborate with cross-functional teams, including product development, analytics, and leadership team.
- Proven ability to work in a team-oriented environment and contribute to collective goals.

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Protect what matters most.

Our purpose and our values apply to our extended Gallagher family including our employees, customers, partners and community.

