

# Greg Graham

## Sr. Data Solutions Architect

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 Marshalltown, Iowa, USA

Senior Data Solutions Architect with 20+ years of experience designing and delivering enterprise data platforms across Healthcare, Manufacturing, Finance, and Marketing domains. Expert in Snowflake, dbt, Databricks, and Azure cloud ecosystems with deep specialization in Medallion Architecture, Kimball dimensional modeling, and FinOps cost optimization. Proven leader in building scalable data warehouses, enforcing data governance and security compliance (HIPAA, RBAC, PII/PHI), and translating complex business requirements into high-performance, actionable data solutions.

## TECHNICAL SKILLS

<b>Data Platforms</b>	Snowflake, Databricks, Azure Synapse, SQL Server, Azure Data Lake Storage
<b>Transformation &amp; ETL</b>	dbt (Core/Cloud), Azure Data Factory, SSIS, Snowpipe, Streams & Tasks, Dynamic Tables
<b>Data Modeling</b>	Kimball Dimensional Modeling, Star Schema, Medallion Architecture (Bronze/Silver/Gold)
<b>Analytics &amp; BI</b>	Power BI, DAX, Power Query, Snowpark (Python), Statistical Analysis
<b>Cloud &amp; DevOps</b>	Microsoft Azure, CI/CD, Azure DevOps, Git
<b>Governance &amp; Security</b>	RBAC, Dynamic Data Masking, Row-Level Security, FinOps, HIPAA Compliance
<b>ERP Systems</b>	Microsoft Dynamics F&O / AX, X++

## CERTIFICATIONS

- 2025 **SnowPro Core Certified** – Snowflake  
2026 **dbt Certified Developer** – dbt Labs  
2024 **Databricks Certified Data Analyst Associate** – Databricks

## WORK EXPERIENCE

Present April 2023	<b>Sr. Data Solutions Architect, TRACE3,</b> ➤ Architect and deliver end-to-end Enterprise Data Warehouses using Medallion Architecture (Bronze/Silver/Gold) across Healthcare (HIPAA), Manufacturing, and Marketing domains ➤ Design high-performance dimensional models (Star Schema/Kimball) translating complex business logic into actionable intelligence for enterprise clients ➤ Engineer near real-time data ingestion pipelines leveraging Snowpipe, Streams & Tasks, Zero-Copy Cloning, Data Sharing, and Dynamic Tables ➤ Implement dbt (Core/Cloud) transformation layers with modular development, automated testing, and CI/CD integration ➤ Manage Snowflake FinOps including compute credit optimization, Resource Monitors, and query tuning to minimize Total Cost of Ownership ➤ Enforce data security and governance through rigorous RBAC auditing, Network Policies, Dynamic Data Masking, and Row-Level Security for PII/PHI compliance ➤ Develop Python-based metrics and custom transformations using Snowpark <div style="display: flex; justify-content: space-around;"><span>Snowflake</span><span>dbt</span><span>Medallion Architecture</span><span>Snowpipe</span><span>Snowpark</span><span>Python</span><span>HIPAA</span><span>FinOps</span><span>CI/CD</span></div>
April 2023 September 2020	<b>BI &amp; Analytics Lead, STONERIDGE SOFTWARE, Enterprise Team</b> ➤ Architected near real-time data pipelines using Lakehouse, Databricks, Azure Data Factory, Synapse Analytics, and Serverless pools ➤ Designed enterprise data warehouse models for Sales, Finance, Forecast, Inventory, AR, and AP using Kimball dimensional modeling techniques ➤ Provided Azure data architecture roadmap strategies to clients covering data security, governance, and development best practices ➤ Led the company Center of Excellence for Business Intelligence, preparing internal training and facilitating data governance adoption ➤ Created certified Power BI datasets with Power Query and authored DAX measures for executive dashboards introducing OKRs and KPIs ➤ Hired and mentored new team members across the enterprise BI practice <div style="display: flex; justify-content: space-around;"><span>SQL Server</span><span>Azure</span><span>Data Lakes</span><span>Databricks</span><span>Synapse</span><span>Power BI</span><span>DAX</span><span>Power Query</span><span>Azure Data Factory</span></div>

August 2020 July 2007	<b>Senior Software Engineer   Business Systems Team Lead, MARSHALLTOWN COMPANY,</b> <ul style="list-style-type: none"> <li>➤ Owned Dynamics AX across GL, AR, AP, Production, Master Planning, and Inventory modules plus the corporate data warehouse over 12+ years, building deep cross-functional business knowledge</li> <li>➤ Created a web-based manufacturing execution system (MES) deployed to 100+ factory work cells with real-time Dynamics AX demand integration</li> <li>➤ Implemented procurement and production automation systems with real-time ERP integrations</li> <li>➤ Modeled, built, and verified a comprehensive corporate data warehouse enabling a unified enterprise reporting platform</li> <li>➤ Led SCRUM adoption, CI/CD processes, code reviews, and automated testing and deployment practices across the development team</li> </ul> <div style="display: flex; justify-content: space-around; gap: 10px; margin-top: 5px;"> <span>Dynamics AX</span> <span>SQL</span> <span>X++</span> <span>Dimensional Modeling</span> <span>SSIS</span> <span>Power BI</span> <span>Azure DevOps</span> </div>
July 2007 November 2003	<b>Lead ETL Developer   Data Warehouse Modeler, IOWA MEDICAID ENTERPRISE,</b> <ul style="list-style-type: none"> <li>➤ Designed and implemented modular SSIS packages, stored procedures, and ETL processes for a data warehouse containing billions of rows and terabytes of data</li> <li>➤ Architected table and disk partitioning strategies for optimal query performance</li> <li>➤ Built incremental processing pipelines from ODS to DW fact and dimension tables with Type 2/Type 3 SCD handling</li> <li>➤ Created data quality system for capturing, reporting, and correcting data issues, improving overall data reliability</li> </ul> <div style="display: flex; justify-content: space-around; gap: 10px; margin-top: 5px;"> <span>SQL</span> <span>SSIS</span> <span>Dimensional Modeling</span> <span>Healthcare Data</span> <span>ETL</span> <span>Performance Tuning</span> </div>

## EDUCATION

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University of Waterloo - Bachelor of Mathematics, Computer Science