





Greg Graham

Lead Data Architect

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Results-driven data engineering professional with 20+ years of experience focused on developing data-driven solutions, delivering data-driven insights, and integrating mission-critical data systems. Proven track record of implementing methodologies that apply data-driven decision making to help organizations reach their goals. Skilled in developing, implementing, and overseeing large-scale database architectures and projects.

My professional merit boils down to the following :

- > plan, execute, measure, adapt and repeat
- > pressure can be embraced to deliver quality and quantity
- > attitude is a key ingredient to success
- > with a team, a whiteboard and leadership, any technical problem can be solved

SKILLS

- > **Data Modeling** : Skilled in developing efficient and scalable data models for structured and unstructured data.
- > **Data Engineering** : Experienced designing and developing ETL solutions for data integration, quality, and governance.
- > **Data Warehousing** : Proficient in designing and building data warehouses using traditional and big data technologies.
- > **Analytics** : Experienced in creating advanced analytic solutions using statistical analysis and machine learning.
- > **Cloud Computing** : Knowledgeable in deploying and managing data solutions in Microsoft Azure cloud platform.
- > **Dynamics F&O** : Expert with the Microsoft Dynamics Finance and Operations ERP data model.

WORK EXPERIENCE

Today
September 2020

BI & Analytics Lead, STONERIDGE SOFTWARE, Enterprise Team

- > Architecting near real-time data pipelines using Lakehouse, Databricks, Azure Data Factory, Synapse Analytics and Serverless pools
- > Creating enterprise data warehouse models for Sales, Finance, Forecast, Inventory, AR and AP using Kimball dimensional modeling techniques
- > Writing complex SQL for data extraction, transformation and validation (ETL)
- > Providing roadmap strategies to our clients regarding Azure data architecture, data security, data governance, development best practices
- > Creating certified Power BI datasets with Power Query
- > Authoring DAX measures and Power BI reports
- > Hiring and mentoring new team members
- > Leading the company Center of Excellence for Business Intelligence, preparing internal training and facilitating discussion around data governance
- > Designing informative dashboards by introducing OKRs and KPIs
- > Converting line level operational reports into action oriented data insights

SQLServer Azure Data Lakes Databricks Parquet Synapse Power BI M Query Azure Data Factory

July 2007
August 2020

Senior Software Engineer | Business Systems Team Lead, MARSHALLTOWN COMPANY,

- > Responsible for Dynamics AX (General Ledger, Accounts Receivable, Accounts Payable, Production, Master Planning and Inventory modules), the corporate data warehouse and building/architecting web based solutions that integrate with Dynamics AX. Over 12 years, built a deep, functional understanding of each of the business units and their relationships through the ERP system
- > Created a web based manufacturing execution application (MES) used at 100+ factory work cells that used real time demand information from Dynamics AX and fed work order status back
- > Implemented procurement and production automation systems with real-time Dynamics AX integrations
- > Worked with department business leaders to model, implement and verify a comprehensive corporate data warehouse, enabling an alternate, unified reporting platform
- > Managed direct report activities, fostered adoption of SCRUM software development methodology, participated in backlog grooming, fostered continuous integration (CI), source control, design and code review processes along with automated testing and deployment
- > Provided technical leadership, recruited and mentored talent, led solution ideation activities and delivered results that were regularly lauded by senior management
- > Dynamics AX User Group chapter leader, organized events, chaired meetings and gave presentations

Dynamics AX SQL X++ Dimensional Modeling SSIS Manufacturing Power BI Azure DevOps

November 2003
July 2007

Lead ETL Developer | Data Warehouse Modeler, IOWA MEDICAID ENTERPRISE,

- › Lead designer and implementer of modular SSIS packages, stored procedures, configuration files, tables, views, and functions for DW containing billions of rows and terabytes of data
- › Designed table and disk partitioning strategy
- › Built SSIS packages for incrementally processing data from ODS to DW fact and dimension tables
- › Optimized transforms, and type 2 / type 3 SCD processes where performance was critical
- › Created system for capturing, reporting, and correcting data, improving data reliability and quality

SQL SSIS Dimensional Data Modeling Medical data Automation Performance tuning



EDUCATION

1991 **University of Waterloo** - Bachelor of Mathematics, Computer Science