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# Synopsis

Passionate leader with 20 years of data engineering and data management experience. Passionate about quality, simplicity, process improvement and efficiency utilizing my vast experiences and understanding. I enjoy collaborating with other motivated professionals to creatively solve complex problems.

# Skills

**Cloud Technology:** GCP, APACHE AIRFLOW, BIGQUERY, AWS, EC2, AZURE, ADF, AZURE SYNAPSE

**Database Technology**: MS SQL SERVER 2000 – 2019, T-SQL EXPERT, SSIS, SSRS, ORACLE, PL/SQL

**Development Practices:** Row-level security, ACID, Data Warehousing Star Schema

**Data Integration**: Python, DTS, SSIS, Apache Airflow, dbt

**Data Visualization**: SSRS, Power BI, Tableau, MicroStrategy

**Development IDE**: SSMS, VSDT, VISUAL STUDIO, DrawIO, Lucidcharts, VSCODE

**Source Control**: GIT, TFS, SVN

**Lifecycle:** Atlassian**,** Jira, Microsoft DevOps, Slack, Cherwell, Service Now, Secret Server, Smartsheets, MS Visio

**Miscellaneous**: Lean Six Sigma, Black Belt, Project Management, Data Analysis, Leadership, Business Analysis, Mentorship, Best Practices

# Experience

### JUNE 2022 – PRESENT

##### **Senior Manager of Data Engineering** / Wellframe Solutions Boston, MA

Hired to build and structure a team of data engineers responsible for all data engineering activities.

Responsibilities*:*

* Driving vision and strategy for data engineering practices across the organization
* Establish best practices
* Provide architectural leadership, best practices and guidance
* Responsible for co-creating a cohesive data engineering team (hire, mentor, train, improve)
* Responsible for framework of core GCP, GCS, BigQuery and Apache Airflow/Python pipelines that integrates critical data from customers and key systems to data lake and transactional databases like CloudSQL PostgreSQL
* Continuous development and improvement of the people, processes and technologies
* Hands-on data engineering practitioner

### NOVEMBER 2018 – APRIL 2022

##### **Technical Manager of Data Integration** / Builders FirstSource Dallas, TX

Manage the day-to-day operations of a data integration team within DART BI and Analytics. Responsible for hiring, training, and mentoring staff where required. Implemented a data access system managing data consumers of DART. Assess and approve access requests. On-going management and review of system accounts in adherence to SOX rules and regulations. Architect complex data structures and integrations to meet short-term and long-term expectations. Develop and maintain development coding requirements and standards. Create solutions to decrease manual process.

Responsibilities*:*

* Hands-on technical manager responsible for 24/7 day-to-day management of data acquisition and data integration team
* Build trusted relationships with IT M&A, IT technical teams, business stakeholders and 3rd party vendors
* Perform analysis and integration of M&A data sources in a timely manner
* Responsible for developing data engineering team (hire, mentor, train, improve)
* Establish and manage development standards and development lifecycle
* Responsible for ITGC/SOX reviews and audits with PwC and Internal Auditors
* Responsible for data warehouse security strategy and practices
* Architect Data Integration solutions
* Deliver and champion strategic paths
* Foster partnerships with internal teams
* Advocates for continuous improvement

### JUNE 2017 – NOVEMBER 2018

##### **Data Architect, Consultant** / Solstice Technology, Los Angeles, CA

Hired to provide data architecture, integration and development of the data tier supporting a new venture capitalist funded cryptocurrency exchange to back an existing coin offering.

Responsibilities:

* Database Technology Evaluation, Selection - MySQL versus MS SQL Server 2016
* Data Modeling - Logical / Physical using LucidChart
* SQL Server Development (T-SQL) - design, develop, unit-test, enhancements, performance tuning
* SQL Server Reporting Services (SSRS) - Scale-out farm design & management, report design
* SQL Server Integration Services (SSIS) - design, implementation, performance enhancements. Created SSIS (ETL) processes to load data marts

### NOVEMBER 2017 – JUNE 2018

##### **Data Integration Engineer, Contractor** / Kaiser Permanente, Denver, CO

Responsible for data integration architecture and development within Population Health department to improve patient experience.

Contract highlight was leading the data acquisition process for IBM Watson machine learning project. Extensive data analysis and review with IBM and the Kaiser Medical Doctors for selecting the most effective data that would teach the system around how medical history was entered into EPIC EHR system. This project was to help improve the effectiveness of the clinical staff by identifying patterns in patients’ medical history.

Responsibilities:

* Technical lead, mentored junior developers
* Performed data modeling (logical / physical)
* Created SSIS (ETL) processes to pull ADT data from EPIC (Clarity)
* SQL Server Development (T-SQL) - design, develop, unit-test, enhancements, performance tuning
* SQL Server Reporting Services (SSRS) - design & management, report design
* SQL Server Integration Services (SSIS) - design, implementation, performance enhancements
* Data visualization development with Tableau

### MARCH 2008 – NOVEMBER 2017

##### **Lead Application (C#) Developer** / Herbalife International, Los Angeles, CA

Responsible for managing and leading Silverlight, WPF, MVVM, C# development projects with an international team located in both Bangladesh and Guadalajara. Liaised with project manager providing work breakdown structure, resource, and effort.

Responsibilities:

* Managed development activities and daily Agile stand-up meetings for international teams of developers
* Data management subject matter expert, mentored junior developers and created development standards and best practices
* Performed extensive SQL Server database and SSIS development activities
* Developed custom SSIS Script (C#) Task to invoke Oracle’s SOA (BPEL) services
* Programming WPF, WCF, Silverlight (C#) applications using MVVM design pattern
* Agile work environment, 50% Remote

### AUGUST 2007 – MARCH 2008

##### **Data Integration Developer** / Rapattoni, Simi Valley, CA

Responsible for custom ETL solution providing real estate listings to the Nation’s largest Real Estate Associations, at the time. Also responsible for data design (logical and physical), performance monitoring and optimization.

### NOVEMBER 2006 – August 2007

##### **Data Integration Developer** / WB Mason, Brockton, MA

Developed/Managed entire SDLC of production 24/7 ETL (SSIS/DTS) processes. Heavy emphasis on transformations from legacy mainframe order entry system to SQL Server 2005 data warehouse environment.

### DECEMBER 2003 – NOVEMBER 2006

##### **Manager, IT Champion, Six Sigma** / Citizens Bank (RBS), Smithfield, RI

While engaged at RBS (Royal Bank of Scotland) for three years I Championed an IT team of data engineers and programmers within a Six Sigma initiative, hiring and developing a young team of data engineers from nearby Bryant University. Architected and engineered a Data Lake and Data Warehouse environment. This Data Lake provided an area to collect data (Measure) and perform quantitative analysis (Control) to the Black Belts and Green Belts within the DMAIC methodology.

In addition to championing the warehouse/lake environment I was trained as a Black Belt and performed my own project with a savings of ~$200K each year. The project was for reducing manual effort required to analyze and report transactions surpassing the threshold specified within The Patriot Act.

# Education

### Northeastern University – Boston, MA

### Management information systems, finished third year

### Microsoft Certified Professional – Designing and Implementing Databases with Microsoft SQL Server 2000 (70-229)

### Developmentor – Los Angeles, CA Completed in 2012

### Guerilla .NET Training covering topics including MVC 4.0, LINQ, EF5, jQuery

### Wintellect – Torrance, CA Completed in 2011

### Silverlight 4: Mastering Silverlight 4

### QuikStart – Irvine, CA Completed in 2010

### Windows Communication Foundation (WCF)

### Clark University – Braintree, MA Certificate Awarded August 2000

### Client/Server Programming and Web Development (9 month) Program Certificate Awarded

### New Horizons – Boston, MA

### System Administration for Microsoft SQL Server 7.0, Implementing a Database on Microsoft SQL Server 7.0 Certificate Awarded, Crystal Reports 11, Oracle 11 PL/SQL, Introduction to Java Programming

# Activities

* Rock & Ice Climbing
* Mountain Biking
* Backcountry Snowboarding