**Professional Summary:**

A proven leader with 21 years of IT experience specializing in data architecture and data management solutions. Positions held over those 21 years include a developer, systems analyst, database administrator, data modeler, and most recently data architect and Manager. For the past 9 years I have operated my own consulting business specializing in data architecture solutions and data management strategies in the areas of OLTP and Business Intelligence. During this time I have led many development teams as an architect on multiple projects providing technical and project direction and I have filled the role of a manager for a data integration and data warehouse team. I am a solutions based professional incorporating flexibility, scalability, and cost effective designs and architectures to maximize a company’s ROI.

**System Knowledge:**

Languages/Tools: Amazon Web Services, IBM InfoSphere DataStage, ERStudio, ERWin, PowerDesigner, SQL Server SPL, DB2 SPL, Oracle PL/SQL, Shell scripts, Microsoft Office, SQL

Databases: Aurora, MySQL, Microsoft SQL Server, Oracle 10g/11g/12c, IBM DB2 for iSeries V5R4, IBM DB2 LUW 9.x

Classes/Training: Data Warehousing in Depth - Kimball University, Informix Relational Database Design, Managing and Optimizing Informix-Online Dynamic Servers, and Informix-Online Dynamic Server System Administration

**Employment History:**

**Farwell Consulting Services, Inc.**

**State of Oregon – Department of Motor Vehicles August 2015 - Current**

Data Architect Consultant

* Leading the architectural direction around the design and implementation of a 360 degree customer centric data store.
* Performing all phases of the project including analysis, design, development, testing, and documentation on an independent basis from a remote location periodically utilizing DMV SMEs for questions and support.
* Defining the content of all deliverable documents using the Macroscope Methodology for the individual phases of the project.
* Conducted and documented an Assessment of the current systems and designed Conceptual, Logical, and Physical Data Models.
* Documented and reviewed with project team new developer standards for all project development work.
* Designed an ETL process flow for integration of all customer centric data utilizing sources such as DB2 on AS400 and Access Databases.
* Designing and developing alongside DMV employees all ETL data flows utilizing IBM InfoSphere DataStage/QualityStage.
* Assisted in discussion about best practices for implementing source control around IBM InfoSphere DataStage.
* Managing expectations of what information can and will be included in the final data store.

**Centriam LLC November 2015 – April 2016**

Data Architect Consultant

* Provided direction to the Director of Data Services around data management principles and methods including architecture options for implementing and supporting those principles.
* Designed an MDM solution for a critical project for one of Centriam’s clients as part of a larger Data Warehousing initiative utilizing Centriam’s client’s customer and subject data.
* Introduced a ‘Party’ data model to support the MDM solution
* Designed and constructed ETL Data Flows for Microsoft SSIS to perform the MDM processing of information into the Party model.
* Incorporated the use of Melissa Data to perform cleansing, standardization, and matching for the MDM processing in the SSIS Data Flows.
* Developed SQL stored procedures to process complex survivorship rules after processing matching criteria in SSIS Data Flows
* Designed a dimensional data warehouse to incorporate the MDM data previous defined.
* Implemented the MDM and DW models using Amazon Aurora in the AWS environment in a PaaS structure. Provided technical support for the Aurora instance and databases for the solutions.
* Led a small team of minimally experienced ETL developers on Data Warehousing, Master Data Management, and ETL processing methodologies.

**Seagate March 2015 – August 2015**

Data Modeler Consultant

* Documented table designs in ERWin for new Cloud business Enterprise Data Warehouse including comments and storage parameters.
* Generated DDL scripts from ERWin models and build tables in development and test environments.
* Generated ETL Source to Target mapping documents for table designs.

**Surescripts LLC June 2014 – January 2015**

Senior Data Warehouse Engineer Consultant

* Provide direction, leadership, and training for a recent installation of IBM InfoSphere DataStage to existing team members.
* Re-configure existing IBM InfoSphere DataStage installation to utilize native Oracle connectivity.
* Request and configure new IBM InfoSphere Services Tier to construct new Test/QA and User Acceptance Testing environments.
* Re-architect existing DataStage jobs to utilize better data flow and increased selection criteria from source DB.
* Educate team members and management on basic Dimensional Modeling principals and the benefits of a true dimensional design.
* Educate team members and management on Data Warehousing Architecture including Data Integration, Data Standardization, Data Cleansing, ETL Architecture, and data flow principals.
* Develop Dimensional Models to replace existing ad-hoc reporting tables/databases to meet business informational needs.

**Ameriprise Financial January 2014 – June 2014**

Lead Information Architect/Data Architect Consultant

* Provide assistance and direction on corporate projects to team members for data sourcing, data integration standards, and use of existing data integration services.
* Develop conceptual and logical data models
* Provide direction for Project Data Architects
* Contribute to the team in setting up new procedures and documentation for future evolution of the Data Architecture team.

**Medtronic – Neuromodulation Patient & Technical Services Call Center August 2013 – January 2014**

Data Architect Consultant

* Design modification to existing transactional database to support application enhancements to the current call center application.
* Design new transactional data model to support new call center application which is integrated into the existing application.
* Provide UI design for new application screens and conduct review meetings with Business Analyst and Business Subject Matter Experts to receive approvals or recommended changes.
* Provide Application Architecture recommendations and best practices to Business Analysts and Business Subject Matter Experts as to how the application should perform in some areas and how it may perform in others using past experience working on similar projects with Application Architects. This function is being provided since an actual Applications Architect was not assigned to the project.
* Provide project Testing Lead with understanding of how the new application is to act and how the enhancements will change the existing application. Assist with providing a direction on how to test the application.
* Evaluate existing Oracle PL/SQL code to determine gaps in data integration with other Medtronic data sources that feed the existing application.

**Noridian Mutual Insurance Company January 2013 – July 2013**

Data Integration Services Team Lead/Manager/Data Architect Consultant

* Lead and manage a group of 7 team members; 1 consultant and 6 employees.
* Provide architectural direction for the team within a new strategic plan for Data Integration across the enterprise.
* Provide HR management direction for the team including hiring, approving timesheets, conducting individual weekly meetings, conducting weekly team meetings, and all other HR related items with the assistance of the HR department.
* Provide project management responsibilities, including resource planning, prioritization, and scheduling for projects that are assigned to the team. Average project workload includes 10+ simultaneous sub 200 hour projects and 5+ 200+ hour projects including 3+ over 1000 hours.
* Assist in the overall resource planning efforts for the Business Applications Division along with other team leaders.
* Provide training to team members on the principles of Data Management, Data Flows, Data Warehousing, and Data Integration.
* Align current team members with new roles to facilitate new team direction in Data Warehousing and Data Integration; Data Modeling, ETL Architecture and Development, and BI Architecture and Development.
* Provide solutions for data integration across Private Healthcare business and Medicare business including designing new Operation Data Stores and Self-Service reporting.
* Develop data strategy to support the Patient Protection and Affordable Care Act including healthcare enrollment through the Federally Facilitated Exchange as well as in-house developed member web portals and HIPPA standard X12 EDI file formats.
* Help facilitate cross-team coordination of work on projects where multiple application teams are required and architecture involvement is also needed.

**The Lacek Group December 2011 – December 2012**

Data Warehouse Architect Consultant

* Design a new Enterprise Data Warehouse to support Marketing Analytics and Campaign Operations for Lacek’s many customers.
* Participate in weekly Stakeholder’s meeting which includes company VPs and Directors to assist in direction options, project updates, and issue mitigation/resolution.
* Provide leadership and direction to Stakeholders to highlight effectiveness versus costs versus timeline. Manage stakeholder’s expectations based on available personnel resources and timelines.
* Provide direction to the business community in proper ways to manage operational system data and the impacts of downstream systems when management practices are not followed.
* Design new operational databases to facilitate the storage of master data to provide efficiency in corporate use as well as to provide accuracy and accountability to Lacek and its clients.
* Initiate and communicate new standards and practices across the organization to facilitate proper data management at all levels.

**OptumInsight/UHG February 2011 – December 2011**

Data Architect Consultant

* Design and manage the data architecture for a new product, EDPS (Encounter Data Processing Services), which will produce data submissions via X12 EDI Interchange with the US Government Agency CMS, providing revenue for OptumInsight in the millions. Top three project within OptumInsight.
* Data modeling to handle inbound and outbound EDI interchange formats/requirements along with handling EDI response files and the content contained within from CMS.
* Train and educate development staff and QA staff as to the data model design
* Provide subject matter expertise as it pertains to the X12 5010 837 Claims EDI format to the development staff and QA staff.
* Assist the Application Architect with direction and design as it pertains to the data lifecycle throughout the entire system.
* Provide insight and direction for developing a reporting environment and a Data Warehouse environment.

**National Marrow Donor Program September 2010 – February 2011**

Data Architect Consultant

* Provide data modeling for on-going projects in the OLTP/transactional realm.
* Provide data modeling for the new BI initiative as well as participate in system architecture discussions to provide ideas and feedback.
* Conduct meetings with business users to gather insight into their current reporting environment.
* Provide analysis from meetings with business as to their reporting requirements as well as analysis of existing reports to help identify information categories, subject areas, etc.

**State of Oregon - Oregon Judicial Department July 2010 – March 2011**

Data Architect Consultant

* Continue my previous work on the Person -Based Proof-of-Concept System by making the system a live system for use by all courts in the State of Oregon.
* Provided the System Architecture Design for the new Person-Based Operational Data Store
* Provided the Logical and Physical Data Models for the PB ODS as well as the DDL script to generate the environment.
* Assisted in the installation of IBM Websphere DataStage along with other configuration
* Designed and developed all ETL processes for approx. 10 different subject areas in the PB ODS model.
* Designed and developed an incremental load process for batch loads of the PB ODS to keep the data in sync with source system.
* Assisted in data analysis and profiling of source system.
* Continue maintenance of all project documentation pertaining to design and development of the PB ODS including model changes, DDL changes, ETL changes, and a change log.

**State of Oregon - Department of Human Services March 2010 – September 2010**

Data Architect Consultant

* Create new data model to support the Child, Adult, and Family Self Sufficiency Modernization Program which entails bringing together all current manual processes for applying for benefits into a streamlined web based application with a single centralized data store running in DB2 LUW on an AIX platform.
* Provide leadership and training on database modeling and data analysis.
* Provide database administration responsibilities for development, test, and UAT environments including permissions, database object creation, and data manipulation.
* Work extensively with business leaders in defining data requirements and their relationships with existing data requirements and database structures.
* Provide solutions to design obstacles as it pertains to data and the flow of data through the application.

**Allianz Life October 2009 – March 2010**

Data Modeler Consultant

* Assist in the data modeling effort for a European Solvency project which includes company Assets, Liabilities, and Cash Accounts.
* Provide mapping to generate data feeds to European Headquarters to fulfill government Solvency requirements
* Provide design options for data mapping and storage
* Provide detailed Data Flow Diagrams, detailed ETL Data Mapping documents, and detailed Design documents.

**United Health Group July 2009 – October 2009**

DataStage ETL Developer Consultant

* ETL Developer for a new web based internal Ingenix/UHG application that provides medical and pharmaceutical information to be used by company actuarial and other business representatives. The application will provide health planning information to determine best outcomes and provide insight into developing new programs for members to participate in.
* Perform data mapping documentation
* Assisted in review and recommendations of current data model
* Provided assistance in developing ETL flow
* Performed DataStage development for all ETL work.

**State of Oregon – Oregon Judicial Department January 2009 – July 2009**

Data Warehouse Architect Consultant

* Developed an Architectural Roadmap including a 6 month, 1 year, 3 year, and 5 year plan for the State Court's Case Management System showing a unified/consolidated data environment which would utilize future and current external data sources for enhancing system information, as well as defining a new Data Warehouse environment thus allowing analysis to be performed at a state level rather than at an individual county court level.
* Developed a high level data migration plan for the conversion of current systems to a new Electronic Content Management system, a new Case Management System, a new Operational Data Store, and a new Data Warehouse.
* Lead Architect/Designer/Developer on a new Proof of Concept Operational Data Store environment which would provide a person based centralized case management system thereby allowing Judges and other court employees to perform Criminal History reporting.
  + - * Designed/Developed architectural plan for new Operational Data Store
      * Designed new Data Model for Operational Data Store
      * Helped define business rules for merging/matching individual party records from source into one unique individual record in the Operational Data Store
      * Designed/Developed ETL architecture for migrating and converting the source data to the Operational Data Store including initial loads and ongoing incremental loads
      * Designed/Developed all stored procedures to implement ETL architecture and design
      * Performed Unit and System Level testing with 2 group members.

**Rural Community Insurance Services July 2008 – December 2008**

Data Architect Consultant

* Assisted in the setup of a new SQL Server/SSIS environment.
* Performed SSIS development for new parent company data feeds.
* Performed database design and SSIS development for new Identity Management system which will be used for managing local and remote employee user access as well as agent and agency access to company applications.
* Provided Data Warehouse training to existing staff.
* Reverse engineered source DB2 AS/400 (IBM iSeries V5) OLTP environment.
* Reverse engineered DB2 AS/400 (IBM iSeries V5) reporting environment.
* Developed new data models to support new business functionality and increase productivity.
* Developed new Enterprise Logical Data Model to provide data consistency, ease of development projects, future functionality, and the support of new Risk Management Association requirements.

**Allianz Life December 2007 – June 2008**

Data Modeler Consultant

* Design new Enterprise Data Warehouse architecture and structure incorporating some legacy definitions.
* Design new Enterprise Data Warehouse Star Schema data models/data marts following Kimball methodologies.
* Assist in the development of a new data modeling and documentation approach.
* Develop Data Mappings for all new data models generated.
* Provide leadership and knowledge to ETL development team for ETL Architecture and Methodologies for new Data Warehouse.
* Develop new and modify existing transactional system (OLTP) data models incorporating into existing legacy systems based on project requirements.

**Mystic Lake Casino October 2007 – November 2007**

Lead ETL Developer Consultant

* Design a new ETL architecture for all development of an existing Data Warehouse.
* Perform all ETL development for new requirements for the Data Warehouse
* Assist in the training of the new Data Architect (employee)
* Assist in the data modeling of new subject areas for the Data Warehouse

**Brown University May 2016 – August 2016**

Business Intelligence Data Architect

* Provide direction to and mentor existing reporting team members around proper data management principles
* Provide recommendations to management for new Data Modeling and ETL tools
* Led the design and development efforts of a SaaS data integration project utilizing vendor provided API calls to populate a new in-house, specifically designed, Oracle reporting schema in order to provide report scheduling via IBM Cognos. Duration of sub-project was 2 months from initial design to go-live.
* Participated in and led the discussions about how to initiate and proceed with a new data warehouse starting with an existing requirement to design and develop a university wide Faculty DataMart.
* Assigned as the data architect for a 4 year struggling project to replace a CRM system with a new vendor provided system. Participating in requirement sessions for adding new Brown customizations to the vendor’s data warehouse as well as existing and new reporting needs which will utilize an IBM Cognos front-end.

**International Decision Systems, Inc**. **August 2006 – September 2007**

Data Architect

* Provide sole ownership, knowledge, and reference for the data model of a young (4 years) backend equipment leasing application called ProFinia.
* Work directly with Product Managers, Business Analyst, and Application Architects to gather and analyze data and business requirements for impact analysis on the existing ProFinia data model.
* Provide knowledge of future growth possibilities and an enterprise vision of the life of the Product in order to make the correct modeling decisions.
* In charge of designing new functional areas and modifications of existing areas in ProFinia. Changing include new or modified tables, foreign key relationships, indexing, etc.
* Manage numerous data model change requests from a development staff of approximately 65 in two locations: Minneapolis & Bangalore India.
* Assist in the training of development staff of relational database design, the importance of correct design, and the enterprise approach.
* Develop standards for the ProFinia data model including but not limited to domains, abbreviations, naming standards, default values, etc.

**Long Term Care Group July 2005 – August 2006**

Senior Programmer Analyst/Data Warehouse Data Architect

* Lead ETL Architect/Developer using Ascential DataStage.
* Lead ETL/Data Architect/Data Modeler for new Data Warehouse initiative including conceptual and physical design of staging and target DW environments and ETL architecture and standards following the Kimball methodology for Data Warehousing.
* Complete data analysis of source systems to facilitate model designs which were appropriate for business use and analysis.
* Conversion of existing Microsoft DTS packages to Ascential DataStage jobs.

**Digi International September 2000 – July 2005**

Database Administrator/Data Warehouse Architect

* Data Warehouse database architect/designer following Kimball methodology.
* Lead Data Warehouse ETL developer using Informix Stored Procedures, C programs, and UNIX shell scripts (previously used Ascential DataStage 5.2 for 3 years). Develop and implement ETL jobs to populate new Data Marts, dimensions and facts, based on new business requirements.
* Data Warehouse reporting support for Brio reports including custom designed Executive reports.
* Lead/SR. Informix Database Administrator. DBA duties including database and application maintenance and development, performance tuning, backups, space management, and database design for 3 production, 4 test, and 3 development environments. (ERP-Baan, CRM-Vantive, DW on Informix 7.31) Recently taken Lead/Sr. Microsoft SQL Server DBA responsibilities as well for approximately 30 SQL environments.
* Lead UNIX technical resource/programmer involving all UNIX related programming including Korn/C shell scripting, Informix ESQL/C, C, and Informix 4GL programming for business applications and tools.
* Project management involving planning, developing requirements, resource management, development, user acceptance testing, and implementation
* Baan C4 technical/systems analyst.

**Vista Information Solutions July 1999 – September 2000**

Lead Programmer Analyst/ Database Administrator

* Lead programmer for online MLS Tax Systems using Informix 4GL under an Informix 5.x and Informix 7.x environment running on Solaris platforms. Duties included client customizations, code reviews, production support, and new development.
* Lead DBA for all OLTP customer systems. Duties included database installations, disk/space management, performance tuning (SQL, fragmentation schemes, server parameters, etc.)
* Lead database designer for new client systems as well as systems that will undergo upgrades.
* Primary resource for making Informix recommendations to the company for current issues as well as for new product development.

**American Express Financial Advisors July 1998 – July 1999**

Database Administrator

* Lead DBA on a Global Investments & Management database running an OLTP environment with Informix 7.3 on Sun Solaris platforms. In charge of server performance tuning, database size scaling, security, and application SQL recommendations.
* Support DBA on an Imaging and Workflow Utility running an OLTP environment with Informix 5.10 on HP-UX platforms using a remote storage device to store optical images. Assisted lead DBA with database migration, database maintenance, and database performance tuning. Involvement with application group for development of new releases of database.
* Lead DBA on Financial Advisors Sybase SQL Anywhere database. Performed database modifications following quarterly release schedule. Used Installshield 5.0 to package databases for shipment to remote advisor's computers.
* Team member to review and make recommendations on SQL code as well as member of On-call group for environments running in Informix, Sybase SQL Server, Sybase SQL Anywhere, and Microsoft SQL Server.

**ZenaComp Incorporated August 1997 – July 1998**

Information Consultant

* Informix Consultant for a Minneapolis-based Data Warehouse client; developed and enhanced 4GL applications and Crystal Reports used to populate client databases; made recommendations for system and process improvements; ran Solaris on Sun using 5.0 (production PC platform) and 7.22 versions of Informix Online servers.
* Lead analyst and system administrator as well as database administration on one of 3 projects for a Detroit-based major health care insurer; supports team responsible for production maintenance of Informix system and new development projects; planning migration from Informix SE 5.x to version 7.x, and hardware and OS upgrade (from Dell/SCO to Sun/Solaris)
* Consultant for a Minneapolis-based Multiple Listing/Tax Service; enhancement and testing of 4GL applications, presented and documented recommendations for UNIX system and Informix database improvements, lead UNIX/Informix system administrator running Informix 5.0 and Informix 7.24 on Solaris 2.5.

**ValueRx Pharmacy Program Inc. June 1995 – June 1997**

Senior Programmer/Analyst

* Creation and modification of client and in-house reports using Informix 4GL embedded with Informix SQL and remote C function calls
* Creation and modification of databases and tables including revising indexing to increase productivity
* In charge of production support for all reports. This included the following responsibilities:
* 24 x 7 on call support
* Maintaining reporting task and problem report system
* Delegating new task and problem reports to others within the group
* In charge of all invoicing and balancing of client's claims
* Responsible for the training of new employees/consultants on the existing system
* Co-project leader on the design and development of new software releases
* Setting up test databases for testing purposes for new releases

**Education:**

Northern Michigan University

Bachelor of Science

Computer Science, Mathematics