

GOAL:

Apply my data management, analysis and mining skills & experience in a challenging full-time position.

EXECUTIVE SUMMARY:

- 13+ years of **full-time database** experience with **Microsoft SQL Server** 2000 through 2017.
- 18+ years of IT experience including hardware, programming and **databases**.
- 5+ years of management experience as a **team lead, supervisor and manager**.
- Designed, implemented and maintained **Business Intelligence** solutions using Microsoft SQL Server Reporting Services and Analysis Services.
- Worked with **stakeholders** to identify **business needs** and roll out **solutions**.
- Utilized **market basket analysis** and **decision trees** to visualize correlations.
- Advocated the importance of **data integrity** and **consistency** to upper management.
- Created **dashboards** to quickly and efficiently convey key information to executives.
- **Identified and analyzed trends** in order to improve decision making.
- Responsible for all new client **implementations** from 2004 to 2011 as well as 2015 to 2017.
- Managed **all production data** for over 60 clients adding up to one **terabyte** of medical claims.
- Designed, implemented, maintained and managed the **SQL based rule engine** that has been generating the majority of AMG-SIU's revenue for the last decade.
- Planned and implemented every major feature of HMS's Program Integrity FWA platform.
- Strong **healthcare** background, including Medicaid, Medicare, X12 5010 and ICD 10.
- Extensive knowledge of healthcare billing, revenue cycle management and Fraud, Waste & Abuse.
- Was one of the first **Chief Data Officers** in the world.
- Played the role of a Data Scientist, Data Analyst, Database Architect, Database Administrator (DBA), Database Developer, Database Programmer, Business Analyst and Report Designer.
- Obtained several certificates focusing on databases, **data warehousing** and **data mining**.

ACHIEVEMENTS/EXPERIENCE:

Senior Business Intelligence Developer at msm

06/2014 – present

- Created dashboards as well as the majority of the graphical reports.
- Implemented special projects, including loading millions of dollars in open AR.
- Designed and implemented an advanced reporting infrastructure for new clients.
- Reduced daily updates from over 300 million to under 100 million records.
- Created & maintained the most popular reports accounting for 80% of the usage.
- Drastically cut ETL time by utilizing parallel processing.
- Completed more client requests than any other employee on the team.
- Refactored the entire code base thereby drastically reducing the lines of code.
- Increased performance by removing over 50 GB of redundant and obsolete data.
- Loaded and verified all external data sets from a multitude of sources.
- Converted inefficient data types to more appropriate ones.
- Added logging and auditing to all major processes.
- Simplified and sped up daily ETL and reporting process.
- Reduced the complexity and improved performance of core business logic.
- Redesignated and standardized the quality assurance process.
- Transitioned entire infrastructure from the original to a new data warehouse.
- Evaluated business intelligence platforms.
- Removed thousands of unused objects, including tables, procedures & reports.
- Documented major systems and processes.

Implementation Supervisor/Lead Data Analyst at HMS

07/2011 – 06/2014

- Utilized market basket analysis and decision trees to visualize correlations.
- Provided score cards and key metrics used for billing and ROI purposes.
Enabled parallel processing of business rules to drastically improve performance.
- Involved in corporate data management initiatives, including EDM and MDM.
- Reengineered business processes and refactored software to improve efficiency and accuracy.
- Researched products and services, including in-memory databases like Hekaton.
- Synchronized all database code across 60 servers.
- Participated in the design of an operational data store (ODS).
- Designed and implemented a rule engine for prescription claims.
- Evaluated and integrated 3rd party data sources.
- Helped plan the transition from ICD-9 to ICD-10.
- Assisted in the design, development and integration of corporate systems.
- Added features to provide additional functionality to existing and new clients.
- Oversaw the processing of over 200 client files per week.
- Managed 10 million business rules for clients in 11 different states.
- Led the conversion from X12 4010 to X12 5010.

Database Administration Manager at HMS (acquired AMG-SIU)

07/2010 – 06/2011

- Added time dependency to key components.
- Improved exception and error handling of all automated processes.
- Implemented more clients in 6 months than in the previous 3 years combined.
- Increased the flexibility and scalability of the database backend by switching from a multi-tenant design to a federated architecture.
- Managed a team of DBAs, Data Analysts and SQL Developers.

Chief Data Officer at AMG-SIU (got acquired by HMS)

09/2004 – 06/2010

- Enabled upper management and clients to make better decisions by supplying them with advanced statistics and complex.
- Simplified updates and eliminated redundancy by normalizing existing database tables and adding referential integrity.
- Reduced the impact of reporting and ad-hoc querying by separating those functions from the OLTP side using real-time replication.
- Enabled exponential data growth by scaling and tuning the hardware and software as well as doing performance tuning and query optimization.
- Reduced human involvement and increased processing speed by automating the extraction, transformation and loading of data using SQL Server DTS and SSIS.
- Eliminated hours of downtime every week for 25 concurrent users of an Access application by moving the data from Access to SQL Server.
- Increased data quality using best practices and establishing procedures.
- Saved the company thousands of dollars by programming interfaces for industry standards such as HIPAA X12.

EDUCATION:**Certificate in Data Mining from UC San Diego**

09/2010 – 06/2011

Certificate in Business Intelligence and Data Warehousing from UC Irvine

09/2007 – 05/2008

Master of Science in Information Systems from Claremont University

01/2003 – 05/2004

Bachelor in Digital Media & Computer Science from FH Furtwangen

10/1995 – 07/1999

ADDITIONAL INFORMATION:

- Founded of my own part-time consulting company in 2013.
- Organized 8 SQL Saturdays and numerous LEGO Mindstorms workshops.
- Presented at numerous events, including MIX, SQL Saturday, SoCal Code Camp and BarCamp.
- Participated in CIO roundtables, user groups and conferences.
- Volunteered with the Microsoft DigiGirlz and Technology Camp programs.
- Member of several associations including SSWUG and PASS.
- Willing to relocate and travel for business.

KEY SKILLS/KNOWLEDGE:

Skill	Level				Usage	
	Novice	Intermediate	Advanced	Expert	Past	Current
Agile Software Development		✓				✓
Amazon RDS (Relational Database Service)		✓				✓
BIDS (Business Intelligence Development Studio)			✓			✓
Big Data		✓			✓	
Business Intelligence				✓		✓
Cubes		✓				✓
Dashboard			✓			✓
Databases				✓		✓
Data Mart		✓			✓	
Data Mining		✓				✓
Data Warehouses				✓		✓
DAX (Data Analysis Expressions)		✓				✓
EDI (Electronic Data Interchange)				✓		✓
ETL (Extract, Transform, Load)				✓		✓
Excel				✓		✓
Hekaton (In-memory Database)		✓				✓
Knowledge Management		✓			✓	
KPI (Key Performance Indicator)		✓				✓
Mainframe	✓				✓	
MDX (MultiDimensional eXpressions)	✓					✓
Medicaid			✓			✓
Medicare			✓			✓
Microsoft Project		✓			✓	
MySQL			✓			✓
NoSQL		✓				✓
OLAP (Online Analytical Processing)				✓		✓
OLTP (Online Transaction Processing)			✓			✓
Pivot Tables			✓			✓
Power BI		✓				✓
Predictive Modeling		✓			✓	
Project Management		✓			✓	
Refactoring			✓			✓
Reporting			✓			✓
Report Builder			✓			✓
Rule Engines				✓		✓
Rx (pharmacy prescriptions)		✓			✓	
SAS (Statistical Analysis System)	✓				✓	
SCD (Slowly Changing Dimension)			✓			✓
SharePoint		✓			✓	
Source Control			✓			✓
SQL (Structured Query Language)				✓		✓
SQL Server 2012 / 2014 / 2016 / 2017				✓		✓
SSAS (SQL Server Analysis Services)			✓			✓
SSIS (SQL Server Integration Services)			✓			✓
SSMS (SQL Server Management Studio)				✓		✓
SSRS (SQL Server Reporting Services)			✓			✓
SVN (Apache Subversion)			✓			✓
T-SQL (Transact Structured Query Language)				✓		✓
Tableau		✓			✓	
Teradata		✓			✓	
TFS (Team Foundation Server)		✓			✓	
Weka		✓			✓	
X12			✓			✓