

## GOAL:

Apply my database and healthcare skills & experience in a challenging full-time position.  
Please do NOT contact me regarding contract positions, programming jobs or openings paying below industry average.

## EXECUTIVE SUMMARY:

- 7+ years of **full-time database** experience with **Microsoft SQL Server** 2000, 2005 and 2008
- 15+ years of IT experience including hardware, programming and **databases**
- 5+ years of management experience as a **team lead, supervisor and manager**
- Designed, implemented, maintained and managed the **SQL based rule engine** that generated the majority of the company's revenue for the last 7 years
- In charge of **all production data** for over 50 clients adding up to one **terabyte** of medical claims
- Responsible for every single new client **implementation** over the last 7 years
- Strong **healthcare** background, including **Medicaid, Medicare, X12 5010 and ICD 10**
- Extensive knowledge of healthcare **Fraud, Waste & Abuse**
- Played the **role** of a Data Analyst, Data Scientist, Database Administrator (DBA), Database Architect, Database Developer, Database Programmer, Business Analyst and Report Designer

## ACHIEVEMENTS/EXPERIENCE:

### Implementation Supervisor/Data Scientist at HMS

07/2011 – present

- Helped plan the transition from ICD-9 to ICD-10.
- Assisted in the design and development of corporate systems.
- Added functionality to provide additional services.
- Provided key metrics used for billing and ROI purposes.
- 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.
- Built several components for mainframe integration.

### Database Administration Manager at HMS (acquired AMG-SIU)

07/2010 – 06/2011

- Transitioned AMG's infrastructure onto HMS' corporate systems.
- 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.

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

09/2004 – 06/2010

- 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.
- Drastically improved database security by utilizing views, stored procedures, functions, triggers, logins, users, and roles.
- Enabled exponential data growth by scaling and tuning the hardware and software as well as extensive performance tuning and query optimization.
- Improved the overall server performance by switching from internal storage to Direct Attached Storage (DAS) and then to Storage Area Network (SAN) and moving from local commodity hardware to enterprise grade servers in a data center/colocation.

- Utilized the latest features by upgrading all SQL Servers from Microsoft SQL Server 2000 to SQL Server 2005 and then to SQL Server 2008 after defining upgrade paths.
- Reduced human involvement and increased processing speed by automating the extraction, transformation and loading of data using SQL Server DTS and SSIS.
- Enabled upper management and clients to make better decisions by supplying them with advanced statistics and complex reports utilizing Crystal Reports and SQL Server Reporting Services (SSRS).
- Eliminated hours of downtime every week for 25 concurrent users of an Access application by moving the data from Access to SQL Server to improve reliability and performance.
- Increased data quality using best practices and procedures.
- Saved the company thousands of dollars by programming interfaces for industry standards such as HIPAA X12.

**Localization/Quality Assurance at Intel** (as an Independent Contractor) 06/2004 – 09/2004

**Research Assistant/Technical Officer at CGU** 09/2003 – 05/2004

**Computer/Audiovisual Expert at ict** 03/1998 – 12/2002

## EDUCATION:

**Master of Business Administration from CCU** 08/2011 – present

**Certificate in Data Mining from UCSD** 09/2010 – 06/2011

**Certificate in Business Intelligence and Data Warehousing from UCI** 09/2007 – 05/2008

**Master of Science in Information Systems from CGU** 01/2003 – 05/2004

- GPA of 3.95/4.0

**Bachelor in Digital Media & Computer Science from FHF** 10/1995 – 07/1999

## ADDITIONAL INFORMATION:

- Organizer of 5 SQL Saturdays and numerous LEGO Mindstorms workshops
- Presenter at several events, including SQL Saturday and SoCal Code Camp
- Participant in CIO roundtables, user groups and conferences
- Volunteer with the Microsoft DigiGirlz program
- Board member of a non-profit museum
- Member of several associations including SSWUG and PASS
- Worked on projects for Amerigroup, AmeriHealth, Apple, BMW, Caresource, Centene, Daimler, Essilor, Evans & Sutherland, Fujitsu, Holland & Knight, IBM, Intel, Kern Health Systems, Lawrence Berkeley National Laboratory, Microsoft, Molina Healthcare, Olympus, Saab, South Carolina Department of Health and Human Services, and United Healthcare.
- Involved in projects in Austria, Canada, China, Germany, Mexico and Switzerland
- Took several classes at Stanford
- Fluent in English and German. Very basic communication skills in French and Chinese
- Permanent resident
- Willing to relocate and travel for business

## KEY SKILLS/KNOWLEDGE:

Skill/Knowledge	Level				Usage		
	Novice	Intermediate	Advanced	Expert	3-5 years ago	1-3 years ago	Current
Access				✓			✓
BIDS			✓				✓
Crystal Reports		✓				✓	
Cubes	✓					✓	
Databases				✓			✓
Data Mining		✓					✓
Data Warehouses		✓				✓	
DTS		✓			✓		
EDI				✓			✓
ETL				✓			✓
Excel				✓			✓
InRule	✓					✓	
ICD-10	✓						✓
Knowledge Management		✓				✓	
Mainframe	✓						✓
Medicaid			✓				✓
Medicare		✓					✓
Microsoft Project		✓					✓
MySQL		✓			✓		
OLAP	✓					✓	
OLTP			✓				✓
Project Management		✓					✓
Programming		✓			✓		
Reporting			✓				✓
Pivot Tables		✓					✓
Profiler		✓				✓	
Query Analyzer		✓				✓	
Rule Engines			✓				✓
SAS	✓						✓
SharePoint		✓					✓
Source Control		✓					✓
SQL Server 2000		✓			✓		
SQL Server 2005			✓			✓	
SQL Server 2008				✓			✓
SQL Server 2012	✓						✓
SSAS		✓				✓	
SSIS			✓				✓
SSMS				✓			✓
SSRS		✓					✓
Tableau	✓					✓	
Team Foundation	✓						✓
T-SQL				✓			✓
Virtualization		✓				✓	
Visio		✓				✓	
Visual Studio		✓					✓
VMware	✓					✓	
Weka		✓					✓
Wiki			✓				✓
X12			✓				✓