

Martin Nickel
Rockwall, Texas

I have skills and experience in systems analysis, database design, and data modeling for transactional and business intelligence systems. My primary experience has been in Microsoft environments, with over 12 years designing and implementing successful SQL Server solutions. I have also worked with UNIX, Linux, and IBM mainframe platforms with Oracle, DB2, Sybase, MySQL and PostgreSQL.

In addition to my technical skills, I am an effective communicator. I am comfortable interacting with C-level executives, project stakeholders and end users to establish project requirements, garner project support, report status or analyze software usage. In all areas - business, technical and interpersonal - I focus on identifying the best solutions and achieving them.

Independent software development (contract) - 2/2009 to present

- Designed and developed web-based and stand-alone applications for a variety of clients. SQL Server 2005, T-SQL, SSIS, SSRS, Stored Procedures, PHP, MySQL.

Elan Partners (contract) - 7/2008 to 2/2009

- Beal Bank - Designed and developed data warehouse to consolidate information from the two branches of the organization. Designed and developed interfaces between internal and external systems. Developed reporting to verify and support system integration. SQL Server 2005, T-SQL, Stored Procedures, SSIS, SSRS, C#.NET.

Riptide Software -3/2007 to 7/2008

- Marriott Vacation Club International - Developed ETL, validation and update processes for a vacation-property management Business Intelligence system. Oracle 11, PL/SQL
- *Reflection* (Riptide Software product) - Developed a tool that replicates a Salesforce.com database to a local SQL Server using web services. I was responsible for system design, database design and development. SQL Server 2005, T-SQL, Stored Procedures, .NET 3.5, SOAP, C#.
- Information Intellect - Fort Worth, Texas. Data modeling, database design, performance tuning and production support for high-volume transaction processing database and data warehouse. Application queries residential electric, water, and gas meters on 15-minute intervals, providing access to meter readings through a .NET web application. SQL Server 2005, T-SQL, Stored Procedures, SSIS, SSAS, SSRS, C# .NET

Robert Half Technologies (contract) - 6/2006 - 3/2007

- Alliance Data Systems - Dallas, Texas. I served as database design consultant and was responsible for performance tuning for several development teams with SQL Server 2005 and 2000 projects including setup of clustered and log-shipping configurations, optimization, performance troubleshooting and upgrades. T-SQL, SSIS, DTS, Stored Procedures
- The Nautilus Group - Dallas, Texas. Migrated a Microsoft Access database into SQL Server as part of a case-management and regulatory compliance system. T-SQL, DTS

Portant Communications - (Consultant) Database Designer/ Developer, 9/2002 - 6/2006

- Laser Image - Redesigned database and refactored code of web-based lead management system. Achieved 4x improvement in web-page response times through database tuning. Created data models for existing databases and added RI rules and indexes for performance and to maintain database integrity. PostgreSQL, PHP, SUSE Linux

- True Automation - Designed and implemented a complex property appraisal and tax collection database with over 300 tables. SQL Server 2000
- Impact Floors - Extended ASP-based customer-support system to include additional features. ASP, PHP, MySQL
- Texas Federation of Music Clubs - Developed event signup and scheduling database and software. PHP, MySQL
- Redesigned health insurance management database, converting from Microsoft Access to SQL Server.
- Designed and aided in developing web-based content management system. Also extensive design and development work in DHTML/JavaScript and CSS.
- Numerous SQL Server installation and tuning assignments - T-SQL, Stored Procedures, DTS, SSIS, SSAS

Harwood Technologies - (Consultant) Applications Architect, 5/1999 - 2/2002

- Claimsnet - Designed and implemented SQL Server data warehouse for executive decision support, including replication with production server and extracts from other operational databases. Browser-based data mining was implemented with Brio Enterprise Server. T-SQL, Stored Procedures, DTS
- Designed Microsoft SQL Server database managed implementation of tenant service-request system. Participated in ASP code development. T-SQL, Stored Procedures, DTS, ASP
- Designed and participated in development of electric-usage forecasting system to support post-deregulation energy purchasing decisions. Designed and developed Microsoft SQL Server database. Application was developed using IIS, ASP, Java, and Javascript. T-SQL, Stored Procedures, DTS, VB, ASP

Rock Digital Technology -(Consultant) Software Architect, 11/1996 - 5/1999

- Designed SQL Server database to support property appraisal, tax assessment and tax collection. Designed and implemented SQL Server database of over 300 entities. Assisted in project planning. Provided technical and business consulting. T-SQL, Stored Procedures, DTS, C++, COM
- Updated EDI interface to support SAP version 4, including mapping and status messaging. Designed and managed implementation of an ALE interface to SAP R/3. Interface uses RPC to exchange documents with SAP systems. Initially implemented on AIX with Oracle. Ported to DB2/UDB, and Microsoft SQL Server. T-SQL, Stored Procedures, DTS, C++, COM
- Designed and developed components for a commercial web site using Microsoft Commerce Server, including a COM component for event logging and SNMP management. Designed and developed Microsoft SQL Server database. Designed EDI interface between JDA system and new EC system.
- Designed and developed lab reporting system. Used Visual Basic and ODBC Office drivers to extract data from laboratory management system proprietary database and produce reports.
- Designed and developed an EDI document database facility and an EDI system conversion tool. Assisted with strategic planning for product development.
- Participated in design and development of a three-tier customer management system with both browser and traditional user interface components. Developed client components. Replicated production database to provide current test environment. Responsible for database design and administration.

Matrix Resources (contract) - 9/1995 to 11/1996

- Harbinger International - Mentored a development group on their first Microsoft Windows - client/server project. Provided direction for software architecture and project management of AS/400-based EDI system. Resolved issues regarding ODBC, OO architecture, internationalization, and project tracking.
- Harbinger International - Participated in design and development of a configuration and reporting tool for client's EDI system. Implementation is in VC++ with OLE Automation interface to Microsoft Excel. Designed and implemented database connectivity for Oracle 7, DB2/MVS, and Sybase 10. Designed and implemented MAPI Interface for exception notification. Ported SAP interface from Unix to Windows NT.
- Citizens Telecom - Designed and developed a financial consolidation and allocation data warehouse to comply with FCC and public utility commission requirements. Principle development in Oracle 8 PL/SQL on HP-UX.

StarBase Corporation - Project Manager, 1/1994 to 8/1995

- Hilton Hotels - Managed requirements analysis and production of functional specification for hotel reservation system front end. Produced prototype with PowerBuilder 4.0 and Watcom database. Worked with user group to refine initial prototype to user acceptance.
- Lafarge Cement - Created concept prototype in Visual Basic for a distribution requirements planning system. Conducted JAD sessions over a 14 week period to produce formal functional specification. Designed and implemented with PowerBuilder 4.0, Oracle 7.1, and replicated Watcom 4.0 database on laptop systems.
- Designed PowerBuilder modules for a manufacturing procurement system. Worked with user representatives to define requirements. Assisted with data modeling and implementation of Microsoft SQL Server database.

Computer Task Group - Senior Systems Engineer, 12/1988 -- 1/1994

- Automobile insurance agency - Developed project scope and plan. Worked with management and end users to define functional requirements and design user interface. Designed and produced prototypes in Visual Basic for an insurance quoting system. Migrated Visual Basic system to Visual C++ for implementation.
- Performed tool selection, feasibility analysis, and core module development for AnyNet/Windows, an SNA over IP product.
- Developed and presented C++ training course for CTG staff. Staff was able to achieve enough proficiency to begin C++ assignments.
- Responsible for architecture, design, and initial prototypes of a visual development tool for OS/2, Windows, and AIX environments. Evaluated Visual Basic and other competitive products to support requirements assumptions.
- Part of a three-person feasibility study for a multimedia product for OS/2, Microsoft Windows, and AIX.
- Lead developer for IBM Image+ for Windows imaging software. Development was in C++, using the Glockenspiel class library. The project team received a quality award from IBM divisional management for producing a superior quality product, within schedule and budget constraints.
- Performed project audit. Produced work/task breakdown for a new project plan. Used Microsoft Project for project analysis.

- Presented courses to CTG staff on presentation skills, time management, and interpersonal communication skills.
- Work group leader and software developer for a client/server business communications product. Received IBM JAD training and Conducted JAD sessions to develop product requirements and define development process. The workstation environment was Microsoft Windows 3.0, with AS/400, VM, OS/2, and MVS server platforms.
- Performed maintenance and enhancement of a distributed office mail system.

Aviation Office of America - Programmer/Analyst, 3/1985 -- 12/1988

- Customized PALLM property and casualty insurance system for aviation insurance and reinsurance. COBOL, CICS, Datacom DB.
- Project leader for development of an on-line underwriting system. Project was completed on schedule, and received a high degree of user acceptance.
- Developed an aviation underwriting support system in an NCR UNIX environment. C, Informix
- Developed a print routing system to print based on document characteristics and print queue load. Unix
- Developed an application-level password security system for NCR VRX