

## **Marty Nickel**

Experienced database designer and developer of transactional and business intelligence systems.

### **GAFFEY Healthcare – Director of Data Services, 3/2014 – present**

- Initiated and championed effort to standardize customer databases. Contributed to implementation process-improvement team. Database and process design and development for integration between GAFFEY's product lines including claim-scrubbing, collections workflow and X12-based analytics.

### **Vivify Health – Database Designer/Developer (contract), 8/2013 – 11/2013**

- Designed and developed reporting architecture for web-based software product. Database standardization and tuning.

### **Celerity - Sr. Analyst, 9/2010 – 7/2013**

- **Fannie Mae** – BA and Data analyst for Equator REO implementation. Gathered requirements and produced management reports, dashboards, and analytics. Developed mapping between systems. Worked with business and technology teams to design and implement the solution.

### **Independent software development – 2/2009 9/2010**

- 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 to replicate a Salesforce.com database to a local SQL Server using web services. 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 business intelligence platform. 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. 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 case-management and regulatory compliance system into SQL Server. 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. Designed and aided in developing web-based content management system. Extensive design and development work in DHTML/JavaScript and CSS, PHP, MySQL
- Redesigned employer health insurance management database, converting from Microsoft Access to SQL Server.
- 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. Implemented browser-based data mining 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. Developed with IIS, ASP, Javascript. T-SQL, Stored Procedures, DTS, VB, ASP

### **Rock Digital Technology – Consultant / Software Architect, 11/1996 – 5/1999**

- **True Automation** – Designed SQL Server database and application framework to support property appraisal, tax assessment and tax collection. Assisted in project planning and pre-sales support.
- Provided technical and business consulting. T-SQL, Stored Procedures, DTS, C++, COM
- **Harbinger International** – 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 using Visual Basic and ODBC Office drivers to extract data from laboratory management system proprietary database and produce reports.
- **Harbinger International** – 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 client-server 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 requirement 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.
- **Litton Materiel** – Data modeling and Microsoft SQL Server database design and PowerBuilder module design and development for a manufacturing procurement system. Worked with user representatives to define requirements.

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

- **Automobile insurance agency** – Audited project status for an insurance-quote system. Worked with management and end users to define functional requirements and design

user interface. Developed project scope and work breakdown. Migrated Visual Basic prototype to Visual C++ for implementation.

- **IBM Research Triangle Park** – Performed feasibility analysis, tool selection, and core module development for AnyNet/Windows, an SNA-over-IP product.
- **Internal Course Development** – Developed and presented C++ training course for CTG staff. Participants were able to achieve C++ proficiency required to begin assignments.
- **IBM Toronto** – 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.
- **IBM Toronto** – Member of three-person feasibility study for a multimedia product for OS/2, Microsoft Windows, and AIX.
- **IBM Toronto** – 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.
- **Internal Course Instruction** – Presented courses to CTG staff on *presentation skills, time management, and interpersonal communication skills*.
- **IBM Southlake** - 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. Microsoft Windows 3.0, with AS/400, VM, OS/2, and MVS server platforms.

#### **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. NCR-Unix
- Developed an application-level password security system for NCR VRX