

Jason McElroy

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Business Systems Architect with data systems expertise. Proven leader of high-performance development teams. Experienced in full lifecycle system development including business requirements analysis, functional and technical specification, architecture, data modeling, platform creation, testing, quality control, and change planning. Natural and creative problem solver. Specialize in establishing and safeguarding quality, integrity, and security of all data within an organization. Successful in delivering business critical applications to a broad scope of clients in financial, hospitality, legal, and pharmaceutical sectors.

PROFESSIONAL EXPERIENCE

Madison Performance Group New York, NY 2004 - Present

Lead Data Architect

Created a new department responsible for all business systems development and operations for an established performance improvement company. Implemented formal process and documentation standards that allowed the company to execute \$3 million in new business with existing staff and facilities.

- Created documentation and methodology standards for system development from discovery through continuing maintenance. Performed initial training and provided ongoing guidance to entire IT staff.
- Performed full business and technical analysis of existing company core systems. Identified gaps in functionality and accuracy. Created specifications and data models for an enhanced suite of core systems to support new product offerings and integration with ancillary systems.
- Created data models and data access methods for three large scale web-based business systems. Built all population and update routines. Provided stable, secure, and performant back-end platform for high-activity, large user base sites.
- Assessed and documented all data receipt and processing operations for large collection of legacy systems. Created unified system, including manual and automated processes, to handle these operations company-wide. Dramatically improved response time and accuracy. Significantly enhanced audit capabilities.

TravelClick, Inc. Schaumburg, IL 2003

Technical Project Consultant

Managed relocation of newly-acquired HotelRevMAX data systems from New York to Chicago.

- Built parallel operating environment for the purpose of testing and certifying successful data systems transition. Certified the accuracy of all data values generated across a suite of over forty custom reports.
- Trained new technical administration and operations staff. Published system operation/administration training and procedural documentation.
- Successfully moved all data systems to new facility, maintaining same level of stability and security as original location, with only three-day interruption to operations.
- Wrote functional and technical specifications for proposed new data products.

Hotel RevMAX, Int'l. New York, NY 2000-2003

Director of Research & Development

Managed full-lifecycle development of an industry-first reporting service that became the industry standard tool for measuring competitive hotel operating activity. Based on this product, the company grew from five employees to sixty employees with annual revenue of \$1.25 million in less than two years.

- Teamed with CEO to beat competitor in bringing innovative data products to market first through rapid development of pilot systems.
- Worked with business development staff to expand existing and build new data products with feedback from customer focus groups and industry council meetings.
- Built and maintained stable 24/7 operating environment in support of business and data systems responsible for the generation and delivery of over 10,000 custom-tailored reports per day. Built parallel operating environments for use in testing, certification, and release of new production programs.
- Modeled all databases and wrote all T-SQL code for the company. Responsible for the quality and integrity of all company data. Published report value calculation algorithms for use by customers.
- Saved \$140,000 annually by instituting automated system status notification system

Paperless Office Enterprises New York, NY 1997-2000

Technical Project Manager

Managed development/implementation teams in the creation, installation, and administration of high-volume process automation and document management systems for clients. Supervised eight technical staff.

- Incorporated off-the-shelf and proprietary software with custom written applications to automate business processes using document imaging, workflow, and database technologies.
- Introduced increased operating efficiency and product consistency by formalizing the company's development and documentation processes.
- Analyzed existing client data systems and documented operational processes to identify and classify business rules.
- Wrote functional and technical specifications for all aspects of data systems including platform requirements, system architecture, component applications, development and operations utilities.

Adler Consulting Group New York, NY 1995-1997

Systems Engineer

Met with clients to analyze existing systems, identify needs, propose solutions and install/test systems. Wrote software functional specifications and operational/administrative documentation.

- Managed large-scale automated procurement system for Citicorp. Created user-friendly visual workflow system using integrated third-party software product.
- Created order processing and fulfillment system for start-up clothing manufacturer that received 10,000 orders daily.
- Designed optical recognition system to eliminate data entry and build order records.
- Built legal library databases, research/retrieval systems and litigation support systems for major law firms.

TECHNICAL SKILLS

Design & specification – physical & logical data modeling (IDEF1x, IE, OLTP, OLAP), system architecture modeling, process analysis, data analysis, legacy systems analysis, data flow diagrams, process maps, functional specifications, technical specifications

Database – MS SQL Server, ER/Studio, Sybase PowerDesigner, ERWin, Red-Gate SQL Toolkit, StarDesigner, SQL, T-SQL, SQL Trace, MS Query, ODBC View (query tool), query writing (advanced), stored procedures (advanced), triggers, server performance tuning, schema performance tuning, schema & data migration, data extraction/transform/load

Applications/utilities – MS Project, Visio, Word, Excel, Powerpoint, MKS Source Integrity, Ipswitch FTP Server, Merak SMTP Server, Textpad, PGP for Windows, Adobe PDF Writer/Distiller, DNS Query

Network – TCP/IP addressing & subnetting, SMTP, FTP, POP3, Windows95/98/NT/2000, hardware-based firewalls, Ethernet hubs/switches/routers

EDUCATION

Bachelor of Arts, Psychology, University of Rochester, Rochester, NY (1993)

Certificate Program, Personnel Management, Simon Graduate School of Business, Rochester NY (1993)

Microsoft Certified Systems Engineer, Microsoft Corporation (1997)

PROFESSIONAL AFFILIATIONS

Project Management Institute (PMI)

New York Software Industry Association (NYSIA)

CAREER DEVELOPMENT

Completed PMP certification prep course

Regularly attend NYSIA Database Professionals Council meetings