

Mary Ann Selander

Data Engineer

Over 25 years of professional experience

[Microsoft Certified Professional ID 1127030](#)

MSelander@Yahoo.com 704.303.5334

- Specialization in Distributed Data-Driven Software Solutions
- Experience with every version of SQL Server since Sybase
- Broad experience across diverse industry domains including Technology Products and Servers, Finance, Healthcare, Hospitality, Insurance, Retail, State Government, Utilities.
- SQL Server Expertise – Administration, Operations, Development -- All Versions
- Experienced in Data Governance, Regulator Compliance, Privacy, Security, Encryption
- Extensive experience with Data Integrations. SSIS Proficient.
- Experience implementing Complex T-SQL Stored Procedures.
- SQL OLTP and OLAP - Architecture Modelling Design -- DDL DML TSQL
- DevOps experience. Troubleshooting. Monitoring. SQL/IIS Administrations
- Microsoft Full Stack Development - Strong Middle and Data Tier Skills.
- Familiar with modern frameworks and design patterns.
- Agile Evangelist – Git, TFS, VSO, Jira, Confluence, Sprint Planning, Metrics and Retrospectives, Code Reviews, Position Papers, Prototypes and Proof-Of-Concepts
- Exposure to CI/CD Pipelines, Automated Regression Testing, Database SDLC
- ITIL framework - Change/Incident/Request/Release management
- Currently exploring Azure and Cloud Computing, Information Science, Data Visualization, Simulation and Modelling, Machine Learning and Expert Systems

Professional Experience

Healthstat Inc. Charlotte, NC May 2018 – May 2019 .Net Developer

- ☐ Implemented Dev Team intranet portal - Net 4.5.2 ASP/MVC
- ☐ Refactored corporate Outreach solution to optimize operations and data management
- ☐ Developed corporate Data Exchange applications and custom integrations
- ☐ Published detailed application specifications and documentation on Confluence
- ☐ Managed SDLC for several SQL Server data servers and a dozen databases
- ☐ Supported and enhanced web applications and APIs for corporate products and services
- ☐ Implemented custom encryption processes for client, partner and vendor data integration
- ☐ Managed core libraries for api integrations with Twilio, SendGrid and SurveyMonkey
- ☐ Developed extensive data structures and sql procedures for complex requirements
- ☐ Championed compliance initiatives, including data masking and encryption
- ☐ Partnered with Data, Reporting and Support teams for DevOps SDLC evolution
- ☐ Provided operational support including troubleshooting, query profiling and tuning
- ☐ Created data marts and metrics for management reporting and monitoring
- ☐ SQL Database Administration for all internal and external non-production data servers
- ☐ Exposure to CI/CD and TDD methodologies including DI/IoC and mocking

Delhaize / Ahold Salisbury, NC October 2017 – January 2018 Systems Engineer

- ☐ Analyzed and documented technical architecture of departmental applications portfolio
- ☐ Delivered technical support for corporate merger and operational consolidation
- ☐ Provided transitional management of offshore development efforts and resources
- ☐ SQL Database Administration for all internal and external non-production data servers
- ☐ Served as SQL Database Administrator for non-production data servers
- ☐ Corporate Data Governance, Systems Analysis and Architectural Oversight

Bank of America Charlotte, NC October 2015 – July 2016 SQL Developer Analyst

- Refactored existing SSIS packages for data source decommission/migration efforts
- Supported .and extended solutions for evolving business and compliance requirements
- Contributed to architecture /design specifications for Hadoop implementation
- Implemented custom SQL Caching solution for .Net web applications

Lending Tree Charlotte, NC October 2015 – July 2016 SQL DBA Developer

- ☐ Delivered enhancements and provided operational support for SSIS data integrations
- ☐ Participated in the development of new data and web applications and system interfaces
- ☐ Coordinated offshore development efforts and promoted logistical collaboration
- ☐ Implemented ODSs with SQL Service Broker – scale out and asynchronous triggers

Hewlett Packard Charlotte, NC July 2013 – February 2014 Software Engineer

- Lead efforts to upgrade and remediate web solutions and vendor integrations
- Maintained SQL databases, stored procedures, triggers, functions and views
- Performed troubleshooting and code modifications to reduce database contention
- Provided technical support to internal delivery teams for optimized service scheduling
- Maintained and extended data integration with clients and vendors

Bank of America Charlotte, NC December 2012 – July 2013 SQL Developer

- ☐ Implemented custom supportability framework for complex SSIS integrations
- ☐ SQL/SSIS development for new and existing web and ETL processes and interfaces
- ☐ Mentoring and developed complex SQL queries, procedures and dataflows
- ☐ Implemented reporting repository with a distributed Service Broker solution

Wells Fargo Charlotte, NC January 2011 – June 2012 Software Developer

- Maintained operational datastores and related processes for monthly data integration
- Facilitated centralized analytics and operational reporting for regulatory compliance
- Developed custom frameworks for the management and maintenance of SSIS packages
- Promoted SDLC processes, tools and metrics to ensure quality solution delivery

Bank of America Charlotte, NC March 2010 – July 2010 SQL DBA

- Developed custom metrics and analytical reporting for call center operations
- Supported and maintained corporate data warehouse integrations
- Designed a corporate SQL data repository with custom sharding algorithms
- Vendor Integrations, departmental datamarts, centralized reporting

Duke Energy Charlotte, NC October 2008 – September 2009 Programmer

- Architectural design, configuration, extension and implementation of a vendor solution
- Systems analysis, requirement management, quality assurance process

Compass Group Charlotte, NC September 2001 – September 2008 .Net Engineer

- Lead development of custom application for inventory and accounting operations
- SQL Server Database management and enterprise reporting with SSRS, Cognos, BO
- ITIL - Performed Architectural Oversight and SDLC Governance

Renaissance Interactive Columbia, SC March 1998 – August 2001 Engineer

- System, Application, Database Management, Administration, Development and Operations of custom web applications and hosting solutions
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Affinity Technologies Columbia, SC August 1997 – March 1998 Sybase DBA Dev

State of South Carolina Columbia, SC June 1995 – July 1997 Programmer

- Child Support Enforcement – Implemented centralized data management solution
- Department of Revenue – Developed web solutions for online tax payments
- Department of Mental Health – Developed applications for patient tracking
- Department of Transportation – Designed traffic mapping and monitoring application

SC Electric & Gas Columbia, SC December 1994 – May 1995 Programmer

Policy Management Systems Blythewood, SC November 1993 – November 1994

Duke Power Charlotte, NC September 1989 – September 1993 Application Analyst

Formal Education

Winthrop College 1989 – Bachelor of Science – Computer Science / Applied Mathematics

Lancaster High School -- 1985

Microsoft Certifications

MCSD/MCDBA 1998 / 2003 [Microsoft Certified Professional ID 1127030](#)