**Mary Ann Selander**  **Software Engineer**



**Over 25 years of professional experience**

**Microsoft Certified Professional ID 1127030**

[**MSelander@Yahoo.com**](mailto:MSelander@yahoo.com) **704.303.5334**

* Specializing in Distributed Data-Driven Software Systems.
* Broad experience across diverse industry domains (including Technology Products and Servers, Finance, Healthcare, Hospitality, Insurance, Retail, State Government and Utilities).
* Solid systems analysis, requirements management and solutions design skills.
* Excellent communication and negotiation skills. Ability to work effectively with non-technical stakeholders of all levels. Approachable. Eager to teach and to learn.
* Full Stack Development Experience including .Net, Asp, C#, Win/WebForms, MVC, WPF, WCF, REST, EF.
* Deep understanding of architectural and design principles and patterns and their implementations, including Repositories. Factories. Interfaces, Dependency Injection.
* Champion of Code Reuse and Abilities: extend, interop, maintain, scale, support, verify
* Confident. Proactive. Self-Motivated. Independent Learner. Initiative Taker.
* Risk - Conscious and Security - Aware. Familiar with data privacy and regulatory compliance considerations – federal, state and industry. [**OWASP Top Ten**](https://www.owasp.org/index.php/Category:OWASP_Top_Ten_Project)
* SDLC Savvy. Familiar with Pipelines, Automation, Testing and Metrics. Git. TFS/VSO, Branches, Pull Requests, Jira, Confluence.
* SQL Server Management Administration, Operations, Development and Integrations. OLTP + OLAP. Relational + Dimensional. DDL + DML. SSIS Proficient.
* DevOps experience. Troubleshooting. Monitoring. SQL/IIS/Windows Administration. SSL Certificates. SSO Identity Management. Encryption. Multi-Factor Authentication.
* Data Governance, Regulator Compliance, Privacy, Security and Encryption
* ITIL framework - Change/Incident/Request/Release management

**Professional Experience**

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

* Implemented Dev Team intranet portal- Net 4.5.2 ASP/MVC Azure DevOps
* 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 corporate web applications and services
* Implemented custom encryption APIs and processes for partner integrations
* 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 Analyst**

* 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 Database Developer**

* 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 multi-server 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 Server DBA**

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

**Duke Energy Charlotte, NC October 2008 – September 2009 Systems Analyst**

* 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 Developer**

* 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 Solution Engineer**

* System, Application, Database Management, Administration, Development and Operations of custom web applications and hosting solutions

**Affinity Technologies Columbia, SC August 1997 – March 1998 DBA Developer**

* Sybase Server 11 –

**State of South Carolina Columbia, SC June 1995 – July 1997 Application Developer**

* 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 Programmer Analyst**

**Formal Education**

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

**Lancaster High School -- 1985**

**Microsoft Certifications**

**MCSD/MCDBA 1998 & 2004 Microsoft Certified Professional ID: 1127030**

<https://mcptnc.microsoft.com/transcript?wa=wsignin1.0>