

ANN CAROLE VRBANCIC

**435 Sycamore Street
Vernon Hills, IL 60061
847.362.8327 (home)
847.845.9475 (cell)
ann@vrbancic.com**

Experienced Consultant in the Information Technology industry, with strong technical and exceptional analytical abilities backed by an extensive knowledge of business and finance. Broad experience in the design and development of databases, reports, and desktop applications with the Microsoft suite of products, including SQL Server, MS Access Basic, Visual Basic for Applications (VBA), and Visual Basic. Extremely balanced skillset includes excellent written and verbal communication skills as well as proven soft skills. Recent MCPs (Microsoft Certified Professional) in Querying Data with Transact SQL (70-761), Implementing a Data Warehouse with Microsoft SQL Server (70-463), and Querying Microsoft SQL Server (70-461). Currently working on Master of Science in Data Science at Northwestern University, concentration Data Engineering (anticipated graduation summer 2021; current GPA 4.0/4.0).

AREAS of EXPERTISE

Database Design and Development
Enterprise Data Warehouse Design and Development
Data Analysis and Data Wrangling
Custom Report Creation
Dashboard Design and Development
Data Application Design and Development
Requirements Gathering and Specification Definition

TECHNICAL EXPERIENCE

Databases: MS SQL Server (2005, 2008 R2, 2012, 2014, 2016), MySQL, Amazon Redshift Data Warehouse, MS Access (2007, 2010, 2013, 2016)

Languages: Transact SQL, Python, R, MS Access/VBA (2007, 2010, 2013, 2016), MS Excel/VBA (2007, 2010, 2013, 2016, Office365), Visual Basic (6.0, .NET), XML, XSLT, Classic ASP, HTML, and JavaScript

Other Experience: Microsoft SSIS (SQL Server Integration Service) and DTS (Data Transformation Service), Microsoft Power BI, Tableau, Linux (Ubuntu), Salesforce reporting, ETL, ELT, SQL Server Scheduled Jobs, MS Excel (data connections/user defined functions), SQL Server Stored Procedures and Custom Functions, Semantics Media Wiki Forms, Regular Expressions, Crystal Reports (8,11,14), Active Reports, EDI

APPLICATION EXPERIENCE

IBM Unica EMM (Enterprise Marketing Management), Alliant Route Accounting, Sage 300 ERP, Deacom ERP

INDUSTRY EXPERIENCE

Asset Management, Banking, Claims Management, Financial, Insurance, Management Training, Marketing, Manufacturing, Real Estate, Sales, Stock/Trading, Telecommunications

PROFESSIONAL EXPERIENCE

Autism Home Support Services Northbrook, IL 5/2019 – present *Consultant – On Site and Remote*

- maintain and develop data flow processes for daily download from Central Reach Redshift Data Warehouse to local MySQL database on Linux server to support company-wide reporting needs and finance
- created and maintain Python application to auto-update 160 monthly reporting scripts, reducing two days of work to two hours monthly
- create ad hoc queries to analyze cause of data anomalies, then provide and implement solutions
- Tableau Administrator
- modify existing Tableau reports and create new Tableau reports to accommodate acquisition of new business segments, along with Salesforce reports
- reconcile and resolve financial discrepancies between reporting and accounting sources

CDW Vernon Hills, IL 7/2005 – present *Consultant – Remote*

- design and develop complex views in IBM Unica EMM SQL Server database (600+ tables), used by Analytics team
- design data process and develop required objects such as table functions and views for Unica EMM application enhancements
- Python application development
- write ad hoc queries and perform analysis to identify data abnormalities and assist with issues resolution
- SQL Server view performance tuning
- financial data reconciliation
- dashboard creation using Tableau and Power BI
- verbal requirements and specifications
- MS Excel report development utilizing data connections feature with custom, complex T-SQL or Excel form selection and dynamic VBA code
- data cleansing, scrubbing, and parsing
- designed, developed, and maintained enterprise-level application in MS Access with SQL Server back end (20+ data input forms none bound, 60+ reports). Prior to its replacement by EMM, it was recognized for efficiency and performance benefits resulting in multiple recognition and monetary awards to the client supervisor.

Mickey's Linens Chicago, IL 1/2017 – present *Consultant – Remote*

- design and develop views, custom functions (scalar and table) in SQL Server for executive data reporting needs
- design, develop, and maintain reporting database in SQL Server
- design and develop data load scripts and set up scheduled jobs to aggregate and transfer data from multiple database sources in Alliant Route Accounting system to reporting database
- design and develop MS Excel reports for executive audience using Data Connections and ODBC as well as dynamic VBA and ADO connections
- reconcile and resolve financial discrepancies between reporting and accounting sources
- SQL Server dba functions such as backup and restore, add new users and grant access privileges

Positive Vision, Inc. Roselle, IL 1/2015 – 2/2018 *Consultant – Remote*

- consultant for multiple Positive Vision clients, including Wiemans, Nicoat, Sternberg Lighting, and Barney Butter
- designed and developed data warehouse for use with Deacom ERP system
- SQL Server view design and development in Deacom SQL Server database; design and develop data loads into data warehouse with SQL Server Scheduled Jobs
- design and develop Crystal Reports for data from Deacom ERP
- modify and enhance Crystal Reports necessitated by upgrades to Sage 300 ERP (SQL Server database) as well as performance tuning
- MS Access form and report development and maintenance using VBA code and combined SQL Server and MS Access data source

-MS Excel report development utilizing data connections feature

CS Group, Inc. Mundelein, IL 9/2005 – 2/2012 *Consultant – On Site*

- designed, developed, and maintained VB.Net Windows desktop application to download Multiple Listing Service real estate data in XML format from multiple sources (RETS Servers) for uploading into regional and national realtor SQL Server databases for website use
- developed SSIS packages to automate data download, run related stored procedures, and upload data
- utilized SQL Server Scheduled Jobs to control SSIS packages
- maintained and enhanced SSIS packages that delivered daily data feeds to Trulia.com, Zillow.com, and the Wall Street Journal Real Estate website
- wrote stored procedures to cleanse, scrub, and parse data for website presentation

BMO Harris Bank Buffalo Grove, IL 3/2012 – 5/2012 & 1/2011-4/2011 *Consultant – Remote*

- created SQL Server tables and developed SSIS packages for monthly and quarterly uploads of customer account activity in multiple file formats (.csv, .xls, .xml), cleansing, scrubbing, parsing data as needed, for system conversion project

Deloitte Consulting Deerfield, IL 12/2002 – 7/2005 *Employee*, 3/1999 – 11/2002 *Consultant – On Site*

- member of development team for web-based application, developed in VB 6.0, XML, XSLT, and Java Script and backed by SQL Server database, which was made available to school districts by subscription; used to gather and track student Individual Education Plans and bill Medicaid for special education services
- responsible in all phases of project development from conception to implementation: requirements definition, functional design, technical design, code development, testing plan creation, and testing
- managed team of off-shore developers
- project manager for the Illinois State Board of Education Report Card project, a .NET application that gathered data from Illinois Public Schools, calculated statistics, and published results on the internet for general public viewing for the first time ever

EDUCATION

Loyola University of Chicago
Bachelor of Science Psychology

Northwestern University
Master of Science in Data Science (expected summer 2021)
Concentration Data Engineering, current GPA 4.0/4.0

CERTIFICATIONS

MCP (Microsoft Certified Professional)
Querying Data with Transact SQL 70-761

MCP (Microsoft Certified Professional)
Implementing a Data Warehouse with Microsoft SQL Server 70-463

MCP (Microsoft Certified Professional)
Querying Microsoft SQL Server 70-461