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Summary of Qualifications

- 17+ years of development experience primarily dealing with the entire Microsoft Office Suite VBA programming (Access, Excel, MS Project, PowerPoint, and Word), but also includes exposure to other programming languages such as: C, C++, Node Express, Java and JavaScript (Java, Node and JavaScript a preferred development environment.)
- Extensive exposure and experience to SQL not only in the Access VBA environment, but also in the MySQL environment and Oracle. I completed Colt Steele SQL Bootcamp training.
- Exposure to non-relational databases such as MongoDB which is an integral part of Lumen's ODIN (Order Data Integration Network) a proprietary order tracking website.
- VBA project Experience includes (end client):
 - Automation of MS Project Plan of over 2737tasks.Workflows had 5, 9, and 10 sub tasks with VBA. (Lumen)
 - Conversion of Office 32bit Access databases to 64bit operation (Boston Healthcare company.)
 - Automation of Pivot Charts, Macros and VBA code to automate analysis of SAP Financial Data in Excel 2019 (Warner Records.)
 - Access 365 application to integrate Access, Excel Pivot Charts and ASCII flat file data with PowerPoint data graphical representational output. (CareFirst)
 - Integration of Access and Excel for curve fitting to financial data for the purpose of forecasting. (MDOT)
 - Integration of Excel/Outlook/Word for the purpose of CRM (Customer Response Management) System at no additional cost to end client. (Big Fish)
 - Creation of Access 97 Work Ticket Database integrated with SAGE 200 ERP System and production machinery for small fine art manufacturer. (Big Fish)
 - Maintained and Enhanced Capitol Programming Management System) CPMS for Maryland (MDOT) an Access legacy Application to be configurable for nine sets of business rules.
 - Migrated CPMS from Access 2.0=>97, 97=>2007, 97=>2010 and 2010=>365 (Access 2013).
- Web based programming experience includes:
 - Certificates in C#, .Net Core (2.x), Microsoft Visual Studio, MVC5, SQL Bootcamp (Colt Steele) and Colt Steele Web Boot Camp 1.0. (Currently working on the Colt Steele Web Boot Camp 2.0. and Angular) Udemy.
 - Graduated Cum Laude Capitol College Laurel, MD B.S. Computer Engineer Technology
 - Met Lumen, CareFirst, SSA, MDOT and HHS background investigations and hold a Public Trust Clearance Level 2 as of March 2022.
 - Bug Fixes and Minor Enhancements using Visual Studio Code, Java, Spring Boot with a Microsoft, Oracle, MongoDB backend for 18 months (Lumen ODIN)
 - Major accomplishments
 - Fixed a query preventing the entire system from running.
 - Corrected a Reg-Ex expression in Java keeping dates from populating on the website.

- Web Master experience in ASP.net, Classic Clover, and Clover (based on AWS technology) St. Paul's Lutheran Church, Fulton, MD
- Familiarity with Visual Studio Design Environments and Azure Dev Ops protocols. (Kerry's Technologies proprietary short term consult)
- Conversion of GoDaddy Webpage builder to WordPress site (Epiphany Lutheran Church, Burtonsville, MD)
- Conversion of Classic Clover to Clover site AWS (St. Paul's Lutheran Church, Fulton, MD)
- Consultation of site improvement for St. Stephens Lutheran Church Silver Spring and training in WordPress as well as Epiphany Lutheran Church Burtonsville.
- Creation of retail sites in Dreamweaver. (Various proprietary clients KEG Solutions)

Technology Expertise

Applications MS Office Suite (Access, Excel, Outlook, PowerPoint, Publisher, Word), MS Project, MS Visio 2019, Visual Studio 2017, 2019 & 2022, Adobe Creative Suite (Acrobat, Animate, Dreamweaver, Premier, and Photoshop), Crystal Reports, Sage Act! CRM, and Sage Peachtree (MAS 200 ERP).

Systems Univac 1100, PDP 11 (Mainframe Fortran 77), DOS 3x/5x/6x, Lantastic, Mac OS 10, Novell Netware 2x/32/4x, Windows 9x/Me/NT/2000/XP/Vista/Win7,8.1,10, 11, Server 2003 Standard R2 and Server 2012.

Databases Access 2-16, Sage ACT!9(2007) CRM, DB2/3/4/5, FoxPro, MySQL, Oracle, and Non-Relational MongoDB.

Programming Languages Ada, Basic (GW & Visual), C, C++, Fortran 77, HTML 3.25-5 (CGI, CSS, SAAS), Java, JavaScript, Node JS, PHP, Lisp (for Artificial Intelligence), Pascal (Apple, MS) and SQL.

Tools FMS Total Access Detective 2010, FMS Total Analyzer 2010, Integrity PTC version control software. Agile Programming Training, Azure Dev Ops, GIT, GitHub, Spring Boot and Visual Studio.

Programming Language Experience

C, C++ two years Training Capitol College

Node one year training Udemy, Three years desktop applications St. Paul's Lutheran, Fulton, MD

JavaScript, one year training Udemy, ten years KEG Solutions, various clients

VBA twenty-seven years, Big Fish, MDOT, Lumen and others throughout the years.

Experience

Consultant/Solution Provider	July 2017 - Present	
Kerry's Technologies	Burtonsville, MD	Owner Operator

Highlights

Oct. 3, 2022 – Mar 28, 2024

Program Manager II/Programmer – worked with Kelly Mitchel, Saint Louis, MO on W2

End Client: Lumen, Boulder, CO supporting a major US Government Client.

Duties: Automation

- Automate Exports and Imports of Data into web-based custom reporting tools such as ODIN.
- Automate Project Management tool, MS Project Plan of over two thousand seven hundred thirty-seven Tasks and Subtasks
- Automate other project management tools, merging data from ten sources systems and fifteen spreadsheets and other company web tools.
- Maintenance of web-based reporting tool Programming
- Defect and Bug Correction in Java 8, Spring Boot, Visual Studio, and GIT of custom, proprietary web-based tool which utilizes Oracle, Microsoft, and Mongo DB as the backend database.
- Program enhancement of web-based tools to improve functionality.
- Mongo DB edits
- SQL Query Development and maintenance.

Server Management

- Maintaining Linux Web Server, chrono jobs, logs, installation of jar files, and other duties as assigned.

May 27, 2022 – July 29, 2022

Programmer- worked with Robert Half Boston, MA on W2

End Client: Health Industry Client Boston, MA

Task: Convert sixty-eight databases from Access 2016 32bit to Access 2016 64bit.

- Analyze and update function calls to 64bit operation.
- Collaborated with major stakeholders for seamless, smooth upgrade.
- Documentation of all functions and subroutines upgraded. (Adobe Acrobat PDF 118pps.)
- Work with testing teams to ensure no loss of functionality.

Jan. 11, 2022- April 1, 2022

Programmer – worked W2 with AgenSys Corporation McKinny, TX

End Client: Starry Associates Annapolis, MD

Task: Support PSC Transportation Services at HHS, Bethesda, MD

- Creating Help Documentation (HelpNDoc 7.0).
- Microsoft SQL.
- C#.
- HTML, JavaScript.
- MVC (MVC is a design pattern used to decouple user-interface (view), data (model), and application logic (controller)).
- Visual Studio- IDE for code development in VS2022.
- Entity Frameworks (Interfaces with the application database).
- Azure DevExpress.
- Bootstrap – CSS Library functions.

April 12, 2021- Nov 5, 2021

Excel Automation Engineer W2 w/ Robert Half Los Angeles, CA

Task: Automate assigned processes of Music Industry Client in calculating commissions.

- Review and design VBA code, macros which included existing formulas, troubleshooting problems, and making performance enhancements in Excel for the purpose of developing, refining, and enhancing financial record keeping system which use SAP as the data source.

May 15, 2020 – Apr. 11, 2021

Sr. Developer

Task: Provide IT Solutions as a self-employed entrepreneur by the job.

- Furthering my studies of web development by working on Colt Steele Web Bootcamp 2.0 certification.
- Volunteer work as Communication Chair at St. Paul's Lutheran Church, Fulton, MD (Ads, Webmaster (Clover AWS conversation), social media Facebook, and directing Instagram Volunteer.)
- Technical Consultant to Epiphany Lutheran Church, Burtonsville, MD (WordPress site webmaster, conversion from website builder to WordPress and laptop repair.)
- Volunteer Technical Consultant to Belles & Beaux Liberty Grove United Methodist Church, Burtonsville, MD (Zoom meeting host, monthly newsletters, and videos).
- Desktop and Laptop repair various Clients

Sep. 7, 2019 – May 15, 2020

Documentation Engineer

Task: Create system documentation for upper-level management for service provider company in Columbia, Maryland undergoing a merger of four companies in order that one system could chose to process orders of the merged company.

- System Documentation, Process Analysis, Gap Identification, Swim Lane Process Charts with Visio 2019
- Documentation of SAP ERP, inhouse systems including Access Legacy Database, and Website proprietary systems:
 - Met with stakeholders to document current procedures, conducted interviews via Skype and Teams.
 - Reviewed with Vice Presidents to standardize systems in place in the merged company to prevent the re-entry of data in multiple systems.
- HTML plain text and edits of company website to update the site to current standards and business practices.
- Developed Quality Assurance testing practices working with business analysts and major business stakeholders.
- Developer: Troubleshoot and debug website utilizing C#, Angular JavaScript, and Bootstrap to achieve in an Azure DevOps Environment:
 - migration from old 2003 servers to a more modern backend and improved front end functionality to restore documented missing functionality revealed by testing.
 - Additionally, worked within .NET Core Framework coding in C#.
 - Utilized MS SQL Server Bench 2014 error logs and tracing to get to the root cause of missing functionality.

- Worked with Sr. Programmer developing a VBA driven Excel program to eliminate faulty data input into SONAR.

Jan. 1, 2019 – Sep. 6, 2019

Sr. Engineer

Task: Convert existing HTML 5 responsive website design to a more modern Dot Net MVC site.

- Creation of Kerry Technologies website from Dreamweaver to Dot Net Core 2.x Now to Dot Net Frameworks.)
- Communications, Marketing, Webmaster St. Paul's Lutheran Church, Fulton, MD.
 - Converted Classic Clover to Clover which is based in AWS technology (Began collaborating with them in 2016 and ended 2021.)
- Epiphany Lutheran Church Burtonsville Maryland (Consulted on website upgrade possibilities.) Still a client in 2022.
- Retail Desktop/Laptop PC Repair
 - Clients such as Sunset Enterprises (Burtonsville, MD Annemarie Jarman)
 - Data recovery with OnTrack © for various clients

Feb. 7, 2018 – Dec. 31, 2018

Access VBA Consultant

Worked W2 with NTECH Connect Columbia, MD

Task: Repair a broken Access Database created by an in-house programmer that left the company for a health reasons for a health provider in Baltimore, MD.

- Retention Database Support Analyst
 - Conversion of medical flat file data to Excel Pivot Charts.
 - Datastore integrity and testing.
Worked extensively with IT and a team member to mine the data for the retention database copied from other databases and sources.
 - Integration of Pivot Charts and PowerPoint with Access 365 to recover the system created by previous Programmer with little or no documentation.
 - Maintenance, bug fixes, enhancement to maintain the system reports to upper management.
 - Design preparation to expand to different product lines so the system could work on other data and different business rules.

July 2017 – October 2017

Word VBA Programmer

Worked on W2 with Tech Perm Annapolis, MD

Task: Assist with conversion of Word generation document system for the end client SSA in Woodlawn, MD.

- Working as a team member to perform language conversion of a legacy Microsoft Document Generation System from VBA to a new system for Social Security Administration that manages disability claims to transfer existing claims to next generation XML system. This project involved five teams and more than 10,000 snippets of code that had to be converted verbatim down to font size, font face etc. with every comma exactly in place. As this was a legal document it was mandatory for the output of the system to be reviewed by federal judges to ensure each case was resolved correctly and programmatically by the system.

- Agile teamwork, code reviews and SCRUM
- Version controlled Word generation (PTC) moving from VBA to XML.

Sr. Programmer		November 2013- July 2017
Enterprise Business Systems	Burke, VA	2yr Contract MDOT (2 terms)
		Baltimore, MD

- Responsible for onsite project management, documentation, installation, support questions and software code changes of a legacy Access (2.0 - 2016), Forecasting and Project Management System for Capitol Planning and Programming of MDOT including the following Modes: MVA, MDTA, MAA, MTA, MPA, SHA and WMAT in a mixed environment of Windows7, Windows 10, Oracle, Office 2007, Office 2010, 2013 and Office 365 on diverse mode dependent PC Platforms.
- Developed, maintained, and managed a help desk on CPMS. Conducted training at various modes, met with managers to train department staff employing demo systems tailored to their mode's business practices. Utilized Windows Problem Recorder and Adobe Captivate to document the steps to complete quarter closures and other procedures.
- Maintained and managed a ticket system to resolve in a timely fashion any bugs, maloperation, or program enhancements with CPMS.
 - Met with key stakeholders of each mode at MDOT to gather requirements and identify problem areas with current data-entry forms, reports, and interfaces (FMIS, Oracle)
- Modified and created new forms to comply with changing business rules (modification of the "Minor Report" quarterly to meet the input and output needs of the MDOT as well as the Legislature in Annapolis)
- Performed extensive testing with offline copies of live data and beta testing with key stakeholders.
- Version Control and installation of nine systems with various specialty versions
- Support and Maintenance of day-to-day operation answering "how-to" questions and minor bug fixes when output did not meet the expected results. (Troubleshoot at MAA and was able to code the "Comparison Report" to wait for the execution of queries in the backend)
- Documentation and experimentation with migration to next generation CPMS system. Documentation was to utilize Windward Auto Tag and Azure SQL.
- Converted Legacy Access Database System from 2.0 to 97, 97 to 2010 and migrated 2010 to 365 at 11 locations to enhance security on an emergency basis per Governor's directive. The conversion from Access 2010 to Office 365 had to be completed in 3 months and each mode implemented Office 365 in its own way, yet had to be compatible and useable by MDOT HQ in Hanover, MD.
- Trained replacement Programmer in: CPMS operation, support, troubleshooting, contract deliverables, documentation, and requirements to produce the Consolidated Transportation Program (CTP) for the Legislature in Annapolis in time to meet the December deadline.
 - CTP is over six hundred pages. The report covers the budget for eleven different modes of MDOT and is available online.

Project Manager/ Help Desk		August 2013 – October 2013
Enterprise Business Solutions	Burke, VA	Transferred on emergency basis to MDOT contract from SAMHSA Contract in Rockville MD

- Creation of Pilot, Web based Tutorial on popular support topics to SAMHSA 508 standards.

Project Manager Help Desk (Rockville, MD) Continued -

- Project included commonplace issues and Office 2010, Windows 7, and Windows 10 tips.
- This project was planned to be hosted on SAMHSA intranet for internal use only. Written in Dreamweaver
- Project Management of SAMHSA owned equipment Help Desk (one technician, two trainers.)
- Responsible for all WAR (Work Activity Reports) and documentation contract deliverables.)

Sr. Engineer/ IT Consultant KEG Solutions	Burtonsville, MD	July 2010 to July 2013 Entrepreneur (Owner Operator)
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Highlights

- Handled projects from different retail clients, such as: My Coffee News (This involved the creation of a WordPress Website with an ad rotator which had to be regularly maintained and updated as advertisers come and go), Miles of Healing, R.A. Miles, [This required the creation of a Dreamweaver site(CSS, Html5, JavaScript) and the duplication of functionality of the propriety website from which they migrated.] and Liberty Grove UMC ([This involved the creation of a Dreamweaver site,(CSS, Html, and JavaScript) documentation and training of staff as one bidder for the project.] as well as individual retail clients to develop and maintain small business websites, SEO, administration and web marketing campaigns.
- Crystal Report Writing for small business.

Sr. Programmer/ IT Administrator/ Technical Lead/ IT Coordinator Big Fish	Linthicum, MD	Jan. 1999- July 2010 Full time Employment
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- Met with upper management and department heads as well as sales, data entry and production personnel to develop a CRM and ERP system from scratch using MS Office (Access, Outlook, and Word to produce framed Artwork to customers such as Bassett, Ruby Tuesday, and Walmart at little or no additional cost to the company.
 - Access 97 Work Ticket system that interfaced with Sage Mass 200, electromechanical equipment (joiner, saw, mat cutter, like a CAD system known as Eclipse.) Contained 15,000 designs and material lists amassed over the companies 15year history.
 - From 2004 on served as webmaster and worked with production, marketing and Apex and Specter to maintain an Asp.net website of 15,000 designs with an Access database on the backend. This work involved the use of CSS, HTML and Access. This also included production of Flash advertising clips promoting company products for framed art and furniture accessories.
 - Managed all the technical aspects of putting on and going to trade shows in High Point, North Carolina and Atlanta, Georgia twice a year.
- Designed System to interface with Peachtree, Corvallis Point of Sale System. So Big Fish could sell from the show floor and deliver on time all the product ordered.
- Worked extensively with Data Entry to create the forms and reports needed for all departments to improve and enhance workflow from administration to factory floor. Sage ERP helped to keep materials flowing. Did Electronic Data Exchange with Bassett.
- Refinements, enhancements, support, and maintenance eventually upgrading the Work Ticket system to Access 2003 on Windows 2003 R2 server.
- Designed, organized, and laid out the factory floor.
- Organized the assembly line.

- Collaborated with a team of two graphic designers, interior decorators, and upper management to produce a catalog each year (Set contained 15,000 images.)
- Printed the catalog on an inhouse Cannon C6000 and artwork on Epson flatwork printer.
- Served as IT Director in 2009 and 2010. (Built and mail server and marketed to 30,000 recipients.)
- Created a 5TByte network attached storage library of images in a mixed environment of Apple and Microsoft.
- Worked with shipping and logistics to deliver products and import supplies internationally.
- Knowledgeable of Adobe products like Photoshop and In-Design on both Mac and PC.

References: Available by Request

Education	Hobbies	Certificates
<p>Bachelor of Science in Computer Engineering <i>Technology: May 1993 Capitol College, Laurel, MD Graduated cum laude / Alpha Chi Honor Society / GPA: 3.7/4.0</i></p> <p>Bachelor of Science in Electrical Engineering: May 1986 University of Maryland, College Park, MD GPA: 2.6/4.0</p>	<ul style="list-style-type: none"> • Restoration of 1952 Chevrolet Fleetline 2 door Sedan • Restoration of 1963 Lincoln Continental 4 door Sedan • Restoration of Fifties S Gauge American Flyer Train Set 	<p>The Complete Asp.net MVC5 Course Entity Frameworks– Mosh Hamedani, Udemy</p> <p>C# & .Net Core 2.0 Recipes - Packit Publishing, Udemy</p> <p>Create an ASP.Net MVC in 1 hr. – Dustin Learning, Udemy</p> <p>The Web Developer Boot Camp – Colt Steele, Udemy, Express, Node, CSS, Html5, Bootstrap grid, and alternatives. Plus, Google Maps Geocoding and Alternatives REST API.</p> <p>Udemy SQL Bootcamp Colt Steel</p> <p>Currently enrolled in The Web Developer Boot Camp 2 with Colt Steele.</p>

Portfolio of Website currently on-line that I created or modified.

www.kegsolution.com (Dreamweaver Example)

www.kerrygriffins.com (WordPress test site for Epiphany Lutheran Church, Burtonsville, MD)

www.kegsolutions.biz (WordPress Example)

www.elcserves.org (Conversation to WordPress for Epiphany Lutheran Church, Burtonsville, MD)

www.stpaulslutheran.info (Webmaster 2016-2021. Converted from Classic Clover site to Clover S3 AWS, Fulton, MD)

<https://saintstephenelca.org/> (WordPress training and instruction of document creation and content uploads. For Saint Stephens, Silver Spring, MD)

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