#### Resume Of Michael S. DeVries

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Resume / Technical Summary: [http://www.TheVCF.com/resumes/msdtechsum.htm](http://www.thevcf.com/resumes/msdtechsum.htm)

Consulting Biographical Resume (/CV): [http://www.TheVCF.com/resumes/msdbio.htm](http://www.thevcf.com/resumes/msdbio.htm)

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| **Objective:** | To be a valuable contributor to a high performance team utilizing my versatile set of skills and extensive experience in the computer software/IT industry to improve the efficiency, productivity and profitability of an excellent company, which may be performed remotely/virtually. |

**Technical** **Skills**

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| ***Programming Languages:*** | C# .Net, FORTRAN, HTML, LISP, Object Pascal, Pascal, PowerShell, PROLOG, PySpark, Python (Matplotlib, Numpy, Panda, Scikit-learn), R, Smalltalk/V Mac, SQL, Visual Basic / VB Script / VBA, XML |
| ***Software Tools:*** | Jupyter Notebooks, MATLAB, Microsoft Azure Machine Learning Studio, Microsoft SQL Server Reporting Services (SSRS), R Studio, Tableau, Zeppelin Notebooks (Machine Learning, Data Analytics and Data Visualization tools); Amazon Web Services (AWS), Microsoft Azure, Kore.ai (Conversational User Interfaces / Chat Bots); AutoIt, Blue Prism, PS Tools, QualityWorks, QuickTest Professional (QTP) / Unified Functional Testing (UFT), Rational Robot, SilkTest, Sikuli, SoapUI, WinRunner and Xrunner (Automation Tools); APACHE (Business Process Re-engineering tool); Atlassian’s JIRA and GreenHopper (Agile / Scrum tools); Key/ADW/IEW, INCASE (CASE tools); Oberon, Virtual Software Factory (VSF) (Meta-CASE tools); Crucible (Code Review tools); Microsoft Access and Delphi (GUI development / prototyping tools); Eclipse, Microsoft Visual Studio (IDEs); Doors, Rational’s RequisitePro and Starbase’s Caliber RM (Requirements Management Tools); Clearcase, Clearquest, PVCS, Remedy, Soffront’s Trackweb and Subversion (Software Change Management / Version Control Tools); TestManager, Test Director and Zephyr (Test Management Tools) VMWare (Virtualization tools) Dreamweaver, Fireworks, Sharepoint and WordPress (Web Page development tools); Microsoft Office, Access, Powerpoint, Project, Publisher and Visio |
| ***Databases and related Tools:*** | DB2, DB2/400, Hadoop, Hive, Informix, Microsoft Access, Microsoft SQL Server, Microsoft SQL Server Integration Services (SSIS), Microsoft SQL Server Management Studio, MySQL, Oracle, RRD, Spark, Sybase, Toad |
| ***Methodologies:*** | Agile / Scrum, Application Development Effectiveness (IBM), Application Solutions Life Cycle Consulting Methodology (IBM), Business Process Improvement (BPI), Object/Data/Process Modeling (multiple notations) Information Engineering, JRM/JAD/RAD, Rational Unified Process (RUP), Software Selection, Solution 2000 (IBM's Year 2000 methodology), Systems Life Cycle (EDS) |

 **Professional** **Experience**

March 2022-Present, March 2003-July 2004. September 2005-May 2006 **Principal** The Virtual Consulting Firm Melbourne Beach, FL

Founded and acted in the role of Principal, with primary business and management responsibilities for a global virtual consulting firm consisting of remotely distributed consultants and business partners.

July 2012 - March 2022 **Enterprise Architect, Software Engineer** L3Harris Technologies /Harris Corporation Palm Bay, FL

Acted in the role of Enterprise Architect for Harris' Corporate IT Enterprise Architecture and Strategy and Planning groups and of a Lead Automation Engineer for Harris’ Engineering Information Technology (EIT) group:

* Developed Proofs of Concept (POCs) of Artificial Intelligence (AI), Machine Learning (ML), Data Analytics and/or Data Visualization solutions using Hadoop/Hive, Jupyter Notebooks, MATLAB; PySpark, Python (Matplotlib, Numpy, Panda, Scikit-learn), Microsoft Azure Machine Learning (AML) and Microsoft Azure Machine Learning Studio, Microsoft SQL Server Reporting Services (SSRS) and Tableau.
* Developed Proofs of Concept (POCs) of Conversational User Interfaces (CUIs), a.k.a. Chatbots, in Microsoft Azure, Amazon Web Services (AWS), and Kore.ai.
* Developed the technical architecture for the Digital Revolution Project, which contributed to the adoption of the Digital Transformation IT SGP (Strategic Growth Plan) Theme.
* Designed, developed and implemented a variety of business process automation (BPA) / robotic process automation (RPA) systems using Blue Prism, C# .Net, AutoIt, Microsoft Access, QTP/UFT, Sikuli, JIRA, Remedy, Subversion, ClearQuest, VB Script, VBA, PowerShell, SQL, XML, HTML, Sharepoint, VMWare, and/or Microsoft Office applications.
* Spearheaded the design and development of an Automated Project Management System (APMS) using AutoIt, JIRA, Microsoft Office applications and Microsoft SQL Server.
* Designed, developed and implemented an automation framework and architecture (/Automated Test Management System (ATMS)) to support the development, management, execution, and reporting of the results of automated tests using Microsoft Access, AutoIt, HP's QuickTest Professional (QTP)/Unified Functional Testing (UFT) and Sikuli.
* Spearheaded the design, development and implementation of an automation framework in C# .Net, OData, Selenium and SpecFlow to support the integration of automated tests developed in these technologies with the Automated Test Management System.
* Developed a number of NuGet packages in C# .Net for reuse using ProGet and Jenkins.
* Designed, developed and implemented automated systems for the automatic generation of automated test outlines/code from test procedures input in Microsoft Excel, Word or Visio formats.
* Developed and executed automated tests for a variety of manufacturing applications using QTP/UFT, AutoIt and Sikuli automation tools.
* Trained team members in automation methods, tools, standards and best practices.

August 2009 - July 2012 **Senior Software Engineer** CTG Melbourne, FL

Acted in the roles of Business Analyst / Systems Engineer and Software Tester for an inventory control system for a major snack food manufacturing company, including the:

* Design, development and implementation of an automated project management system using Microsoft Access, Microsoft Excel, Microsoft Project and AutoIt.
* Design, development and implementation of a test lab management and an automated testing framework and architecture using AutoIt, Microsoft Access, PS Tools, PVCS and VMWare.
* Design, development and execution of automated tests using AutoIt, PS Tools and Microsoft Access.
* Development of a system to automatically generate Test Procedures and Automated Test Scripts using Microsoft Word and AutoIt.

April 2009- August 2009 **Software Tester** LifeSouth Gainesville, FL

Acted in the role of Software Tester, performing the software testing of FDA regulated client/server blood bank management software, developed in Microsoft Visual C++, PL/SQL and Oracle, using the Rational TeamTest suite of automated testing tools, including: Rational TestManager and Rational Robot.

July 2008.- April 2009 **Founder** I-ShopTheWorld.com Melbourne Beach, FL

Founded, launched and managed a global online retail / e-commerce business.

May 2006- July 2008 **Test Engineer** Harris Stratex Corporation Melbourne, FL

Acted in the role of Test Engineer, performing the automated software testing of client/server network management software.

July 2004-September 2005 **Senior Software Test Analyst** TEKSystems / SGS Kennedy Space Center, FL

Acted in the role of Senior Software Test Analyst performing the software testing of financial and business operations software using the Rational TeamTest suite of automated testing tools, including: Rational TestManager and Rational Robot.

June 2002-March 2003 **Test Manager** e-Security, Inc. Rockledge, FL

Acted in the role of Test Manager for the software testing of real-time network security management software, including the.

* Design development and implementation of an automated integrated testing architecture.
* Development of automated forward and reverse engineering capabilities between analysis, design, testing and documentation deliverables.
* Development of automated metrics and software component relationship tracking and reporting.

Feb. 1999-June 2002 **Test Manager** Harris Corporation Melbourne, FL

* Acted in the role of Test Department Manager, with both budgetary and human resource responsibilities, for the software testing of real-time network management and telecommunications software including the design, development and implementation of an integrated automated testing architecture.
* Acted in the role of Project Manager for software development projects for the development of real-time telecommunications software.

Aug. 1998-Feb. 1999 **Y2K Consultant** Renaissance Worldwide Orlando, FL

Participated in the Year 2000 project for a major theme park and entertainment company in the testing of business unit systems.

May 1994-Feb. 1998 **Certified, Senior Consultant** IBM Corporation / Global Services Birmingham, AL

Provided a wide variety Application Solutions Consulting - Life Cycle services to clients in various industries.

May 1990-May 1994 **Research Systems Engineer** Electronic Data Systems (EDS) Plano, TX

* Facilitated Joint Requirements Modeling (JRM) / Joint Application Design (JAD) sessions employing EDS System Life Cycle Rapid Iterative Systems Engineering (SLC-RISE) methodology.
* Developed prototypes for Computer Assisted Software Engineering (CASE) tools using meta-CASE tools.
* Participated in the development and roll out of the consolidated data and process modeling methodologies for EDS’s System Life Cycle (SLC) methodology.

 **Academic** **Credentials**

Kalamazoo College, Kalamazoo, Michigan Bachelor of Arts in Computer Science and Physics,

Michigan State University One year of Ph.D. program in Physics

Webster University Completion of several courses of MBA program