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| **Bryan J. Berns** Bryan.Berns@gmail.com |  | 7 Prospect Point Lane  Clifton Park, NY 12065  Home: 518-535-3507  Mobile: 518-817-1526 |

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| **Education** | **Bachelor of Science, Electrical Engineering**  **Additional Major: Computer Science**  **University of Wisconsin - Madison**   * Emphasis in Electromagnetic Fields & Waves |

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| **Work Experience** | **Fluor Marine Propulsion - Knolls Atomic Power Laboratory, Niskayuna, NY**  ***IT Senior Advisor Enterprise Architect (2017-Present)***   * Architect Azure, Windows, Virtual Infrastructure, Identity Services platforms * Mentor, train, and advise individual contributors across the IT department * Collaborate with senior management to develop enterprise-wide IT strategy and vision * Manage Active Directory forest / Entra ID as Enterprise Administrator (22,000 users globally) * Resolve high visibility technical issues across various IT disciplines * Develop enterprise-wide applications and optimization workflows (C++/C#/PowerShell)   **Bechtel Marine Propulsion Corporation - Knolls Atomic Power Laboratory, Niskayuna, NY**  ***IT Principal Professional / Lead Software Engineer (2010-2017)***   * Led team to design and deploy ConfigMgr / SCCM architecture for 13,000 endpoints across fifteen sites * Led team of eight responsible for automated software distribution for over 700 applications * Provided vision and guidance for upcoming enterprise deployments across many IT disciplines * Proselytized and provided guidance for requirements-based design for IT projects * Developed ConfigMgr / SCCM plugins to optimize software package creation (C#) * Developed procedures to support enterprise transition to Windows 7 and domain consolidation * Developed enhancements for custom enterprise password synchronization system (C++) * Developed enhancements for custom Outlook add-in to support classification marking (VB.NET)   **Lockheed Martin - Knolls Atomic Power Laboratory, Niskayuna, NY**  ***Senior Electrical Engineer (2005-2010)***   * Developed and supported test platform for Navy Instrumentation & Control equipment * Developed Java, .NET, and Oracle applications for test platform and team task management * Lead architect for specialized local area network (Windows, Cisco, Solaris, Linux) * Developed and maintained VxWorks drivers and executive code for VME-based I/O system * Acted as expert consultant in community for variety of software engineering areas * Acted as software quality control and configuration management coordinator * Planned and tracked annual budget of test platform group * Solicited, prioritized, and distributed incoming work for test platform group * Acted as information systems security officer for electrical laboratories     **Avista, Inc. (Subsidiary of Esterline, Inc.), Platteville, WI**  ***Software Engineer (2004-2005)***   * Developed verification code for two Boeing 737/767 flight management systems * Trained and advised oncoming team members * Developed time-saving documentation tools used by a team of engineers     **University of Wisconsin - Madison, Computer-Aided Engineering, Madison, WI**  ***Novell Netware / Windows System Administrator & Programmer (2001-2004****)*   * Trained and advised 20 first/second level support personnel * Deployed standard computer images for over 400 Dell machines via Ghost * Programmed multiple applications to aid in network administration * Configured, deployed, and managed over 300 applications with ZENWorks     **ShopKo Stores, Inc. (Corporate Headquarters), Green Bay, WI**  ***Workstation & Network Support Engineer (1999-2000)***   * Managed workstation distribution and inventory * Created and deployed images for 1000+ IBM workstations in four corporate buildings * Provide on-site technical support for three buildings |

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| **Other Experience** | **Open Source Software Developer**  ***Lead Maintainer / Developer; Handle: @NoMoreFood***   * PuTTY CAC (Active): Popular fork of PuTTY SSH client that is used by many federal agencies and commercial organizations to perform two-factor public key authentication using certificates. * Repository: <https://github.com/NoMoreFood/putty-cac/releases> * Language: C * WinDirStat (Active): Popular disk usage visualization tool for Microsoft Windows. * Repository: <https://github.com/WinDirStat/WinDirStat> * Language: C++ * Repacls (Active): File system utility to perform advanced manipulation of access control lists (ACLs) on NTFS volumes to support domain migration, problem detection, and forensic searches. * Repository: <https://github.com/NoMoreFood/Repacls/releases> * Language: C++ * WinPriv (Active): Desktop application to intercept and alter registry, network, and cryptographic operations of an arbitrary user process without needing to be an administrator. * Repository: <https://github.com/NoMoreFood/WinPriv/releases> * Language: C++ * Crypture (Active): Desktop application to securely store sensitive information (e.g., passwords) for a user or workgroup using certificate-based cryptography. * Repository: <https://github.com/NoMoreFood/Crypture/releases> * Language: C#   **Open Source Software Developer**  ***Contributor; Handle: @NoMoreFood***   * Microsoft OpenSSH: OpenSSH fork that is being included in Microsoft Windows operating systems as an add-on feature. Major contributions include Kerberos SSPI integration, user/group detection and normalization algorithms, symbolic and hardlink handling, and enhancing process synchronization routines to allow for an arbitrary number of client connections. * Repository: <https://github.com/PowerShell/Win32-OpenSSH/releases/> * Language: C | |
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| **Certificates & Awards** | **Certifications / Clearances**   * Auto-qualifier for MENSA (1998) * Passed FE / EIT Qualification (2004) * DoE Security Clearance Level 'Q' (Active)     **Awards**   * Lockheed Martin Spot Award for decisive actions that maintained continuity of operations (2005) * Lockheed Martin Spot Award for development activities on serial card firmware (2006) * Lockheed Martin Spot Award for technical expertise and customer support (2008) * Lockheed Martin Team Award for contributions to submarine simulator project (2010) * Bechtel Spot Award for contributions to major application deployment (2011) * Bechtel Spot Award for intervening support to resolve high visibility issue (2014) * Bechtel Team Award for success of Windows operating system upgrade and domain migration (2014) * Bechtel Individual Achievement Award for development of scripted automation engine (2014) * Bechtel Team Award for success of enterprise-wide two-factor authentication (2017) |

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| **Software Skills** | **Operating Systems Administration**   * Microsoft Windows (Expert, Recent) * Linux (Intermediate, Recent) * Solaris / SunOS (Intermediate, Past) * Wind River VxWorks (Intermediate, Past) * VMware vSphere (Advanced, Recent) * NetApp Data ONTAP (Advanced, Past)     **Software Packages / Architectures**   * Active Directory (Expert, Recent) * Visual Studio (Advanced, Recent) * Microsoft Office (Expert, Recent) * Microsoft ConfigMgr / SCCM (Expert, Recent) * IBM Rational ClearCase (Advanced, Past) * NI LabView (Intermediate, Past) * Novell ZENWorks (Advanced, Past) * Symantec Ghost (Advanced, Past) | **Programming Languages / Frameworks**   * C / C++ (Advanced, Recent) * Microsoft C#, VB.NET (Advanced, Recent) * PowerShell (Expert, Recent) * PL/SQL (Intermediate, Recent) * T-SQL (Intermediate, Recent) * Java (Advanced, Past) * Assembly: x86, PPC (Intermediate, Past) * Linux Shell Scripting (Advanced, Past) * HTML/CSS (Intermediate, Past) * MFC (Advanced, Recent) * Perl (Intermediate, Past)     **Other Tools**   * Microsoft Process Monitor (Expert, Recent) * Wireshark (Advanced, Recent) |

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| **Hardware Skills** | * HP Digital / Analog Oscilloscopes (Intermediate, Past) * HP Digital Multimeters (Intermediate, Past) * HP Logic Analyzers (Intermediate, Past) * XILINX FPGAs (Intermediate, Past) * HDL Languages: Verilog / VHDL (Intermediate, Past) * VME Bus Interface (Advanced, Past) * Cisco Switches (Intermediate, Past) |  |

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| **Personal Interests** | * Open Source Software Development * Computer Gaming * Virtual Reality Applications * Reverse Engineering |