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| **Bryan J. Berns**Bryan.Berns@gmail.com |  | 7 Prospect Point LaneClifton Park, NY 12065Home: 518-535-3507Mobile: 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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| **WorkExperience** | **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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| **OtherExperience** | **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
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