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|  | Experienced cross-platform Software Developer looking for my next challenge |
|  | I’m a senior software engineer with over 18 years of software design and development experience on Windows and Linux, working in scrum teams, and coaching agile teams as a lead developer.  I have also been active in blogging, leading user groups, and speaking, and have been awarded as a Microsoft MVP for seven years straight, most recently in Cloud and Datacenter Management. |

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|  | Education | |
| Rochester Institute of Technology | 2008 |
| Rochester, New York  M.S., Computer Science |  |
| Nyack College | 1996 |
| Nyack, New York  B.S., Interdisciplinary degree in Cross Cultural Studies & Youth Ministry | |

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|  | Experience and Skills |
|  | Design and Practice |
| * Agile development and release methodologies, leading and coaching scrum teams * Software architecture, engineering and prototyping * BDD, Unit Testing, Automated UI Testing, xUnit, MBUnit, NUnit, Specflow, Cucumber, Gherkin. * Continuous build and integration, Jenkins, Bamboo, TFS, MSBuild, Ant * Design and development of scriptable management interfaces for Windows Server products |
| Technologies and Frameworks |
| * Web applications and services in Asp.Net, WCF, Python, PHP, and HTML/CSS/Javascript * XAML, WPF and WinForms apps, rich user experiences and deep OS integration * Native C/C++ API integrations from C++, and interop from VB, C# and PowerShell * Automation, monitoring, and configuration management in PowerShell, Python, Ruby, Perl, etc. * Distributed, cross-platform, cross-language decentralized message queuing with ZeroMQ * C#, XAML, WPF, Javascript, PowerShell, Python, Asp.Net, HTML, XML, CSS, PHP, C++, etc. |

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|  | Job Experience | | |
| Consultant, Principal Software Engineer – [*Archive360*](http://Splunk.com) | | 2015-2016 |
| Design and develop a modern management user interface for Archive2Anywhere   * Redesign existing management surface as PowerShell cmdlets * Develop PowerShell console as WPF control to help transition users to automation cmdlets * Implement rich WPF user interface over cmdlets, with graphical reporting capability * Train development team in PowerShell and PowerShell development   Introduce sprints and mentor in scrum and agile principles | | |
| Solutions Architect – [*Splunk Incorporated*](http://Splunk.com) | | 2012-2015 |
| Research, architect, and design add-ons to provide prototypes and specifications for development   * Created a PowerShell host in C# with scheduling to support gathering data from Microsoft server products * Implemented RFCs for IPFIX binary protocol (Netflow) in Python for collection and parsing   Developed Django web applications and HTML+JS front end UI panels with D3.js | | |
| Software Engineer – [*Xerox Corporation*](http://Xerox.com)Organization: *Global Technology Offerings Development* | | 2009-2012 |
| Design and development of Xerox Services Manager, Xerox’s customer service & support portal   * Participated in onboarding and coordinating between scrum teams working on the portal * Maintained and improved a large enterprise-class ASP.Net web application and terabytes of SQL data * Worked on first scrum teams at Xerox, assisting in the migration to agile software development   Redesigned complex build & deployment from Python to TFS workflow, including custom task development | | |
|  | Software Engineer in Test – *Xerox Corporation* Organization: *Reliability, Maintainability, Serviceability & Testing* | | 1997-2009 |
| Developed tools for testing and automation for the premier hardware test organization at Xerox   * Developed an automated test suite in TestBasic to automate printing through commercial applications * Developed a randomized test case generator in C# with probabilistic models and factor constraints * Created a web-based test results data entry and test case tracking application in C# and Asp.Net   Designed a SQL Reporting Services system for tracking & analyzing test results and defect reports | | |
| Open Source Projects | | |
| I have developed as “Jaykul” for years on [GitHub](https://github.com/Jaykul/), [CodePlex](http://www.codeplex.com/site/users/view/Jaykul), and [SourceForge](http://sourceforge.net/u/jaykul/profile/). A few highlights… | | |
| Lead Developer – *ShowUI* (*formerly* PowerBoots) |  | |
| <http://github.com/Show-UI/Show-UI> | 2009-Present | |
| * Designed the PowerBoots DSL for writing WPF user interfaces natively in PowerShell * Implemented reflection-based code-generation to generate cmdlets for WPF UI classes * Created several PowerShell modules comprising PowerShell scripts working alongside C# cmdlets * Worked with James Brundage to absorb his WPK module and create the new ShowUI module   Enable data-templated graphical output and the only non-modal user interfaces for PowerShell | | |
| Lead Developer – *GeoShell* http://sourceforge.net/projects/geoshell/ | 1997-2005 | |
| * Lead the team developing and maintaining one of the leading open source Windows shells in the Windows 95-2000 era, creating custom user interfaces (replacing the Start Menu, Taskbar and Desktop) * Experiment with documented and undocumented Windows APIs in C and C++ * Push forward user interaction and interface experimentation on Windows   Prioritize and assign responsibility for customer bug reports and feature requests | | |

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|  | Involvement & Awards | | |
| Microsoft MVP Award: PowerShell | Annual Award date: June 2009-Present | |
| * The MVP Award is an annual award which “recognizes exceptional technical community leaders from around the world who voluntarily share their deep, real-world knowledge about Microsoft technologies with others” <https://mvp.support.microsoft.com/gp/aboutmvp>   My profile: <https://mvp.microsoft.com/en-us/PublicProfile/4025267> | | |
|  | Rochester User Groups | | July 2009 - Present |
|  | * Founded a Rochester PowerShell user group, the first such user group with a focus on developers. * Co-lead the Rochester .Net developer user group: “VDUNY” * Coordinate and moderate the #PowerShell IRC channel (on FreeNode), supporting hundreds of users * Establish the PowerShell Slack channel with nearly a thousand additional members * Speak regularly at user group meetings   Lead and coordinate meetings, recruit and organize other speakers | | |