Josh Moyer (He/Him) – Software and Cloud Engineer
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[LinkedIn](#) | [Code Samples](#) | [Extended Portfolio](#)

Synopsis:

Compliance oriented, with excellent references and a sharp eye for detail and quality: 17+ years of professional IT and software engineering experience; almost 10 years at Microsoft and 2.5 years at Google with additional experience at eBay and elsewhere; 6 and 5 years of professional experience developing and testing software; 5+ years of professional experience in systems administration and cloud and DevOps; 5 years in cloud, developer and other technical support roles and decades of experience in personal and open-source projects. Great soft skills.

Skill Summary:

- *Languages:* BASICs, C/C++, C♯, Java, JavaScript, KQL and SQL, PostScript, Command, Power and UNIX shells, (X)HTML/CSS and several (I)DEs and (kernel) debuggers. Additional experience with several APIs, testing frameworks, source code management and other tools across multiple platforms.
- *CI/CD:* Azure DevOps and Jenkins and related tooling, such as cvs, git, Perforce and Source Depot, (n)make and maven.
- *Network and cloud services:* (A)AD(DS/B2C), AFP/PAP/DDP, AuthN, big data, CIFS/SMB, compute/IaaS, DHCP, DNS, Ethernet, HTTP(S), IP(sec), microservices (including Azure Service Fabric), monitoring and logging, NFS, NIS/yp, multi-cloud PaaS (App Engine, Azure Web Apps, IIS and Tomcat), SMTP/POP/IMAP, storage, VPN, Wi-Fi and X.509 PKI (AD CS and Libre/OpenSSL.)
- *Operating systems and hypervisors:* internals, kernels (including compilation of) for various Linux distributions, NetBSD and OpenBSD, Windows (NT) and many others including macOS. Installation and scripted and manual provisioning and management of VMware ESXi and Workstation Pro, Hyper-V, VirtualBox, simh and others.

Select Prior Experiences (see [LinkedIn](#) for full history):

2/'24 – 11/'24: LTIMindtree, Specialist - Software Engineering

Based on formal and informal design outlines and regular project team meetings, I developed roughly 60%-75% of and deployed and managed a greenfield, C♯ Azure Service Fabric and Azure DevOps based microservice (plus mocked unit tests) for the collection and processing of Azure Monitoring performance data in a global, multi-region environment, utilizing KQL for logs review and custom metrics dashboard tooling with alerts. Roughly 1,500 auto-discovered resources monitored over 7,000 individual metrics. Documented. Generative AI training.

1/'22 – 3/'23: Microsoft Surface (Zen3/Tech Mahindra), Build Engineer (Tech Lead)

Prepared WHQL signed NuGet and UPack binary packages and corresponding XML and JSON driver and firmware manifests (under git source control) for ingestion into Azure DevOps PowerShell and YAML based build pipelines. Pipelines leveraged unattended XML answer files and DISM and Hyper-V and Kubernetes to produce weekly OS builds for the Microsoft Surface team's new hardware, including the Intel based Surface Laptop 5, Surface Laptop Go 3, Surface Pro 9, the ARM based Windows Dev Kit 2023 and also for Bluetooth stack and hardware testing.

7/'19 – 1/'21: eBay (Akraya), Senior Developer

Oversaw and conducted daily and technical operations for eBay's, 100+ PaaS container, high volume and high dollar value, CI/CD (Jenkins), Java, PowerMock, Mockito, Tomcat, Kafka, Oracle and Teradata based automated shipping labels invoice reconciliation system – under regular supervision of and in partnership with controllership and business management and with support from the agile team.

10/'18 – 3/'19: Microsoft Office/Viva Insights (Oslo/Zen3/Tech Mahindra), Build Engineer

Wrote PowerShell and Azure DevOps based tools to further improve the auditing posture and also to further automate security patch management in the build agent pool and environment for the Viva Insights team.

1/'18 – 6/'18: Microsoft Azure Active Directory B2C (Populus Group), Software Development Engineer in Test II

Performed 5,000+ manual tests and some test development activities for Microsoft's Azure Active Directory B2C service, an OAuth 2 and OpenID Connect based authentication and identity management framework.

8/'14 – 3/'17: Google Cloud (Taos/Volt), Cloud Support Specialist (and other titles)

Provided support for Google Cloud Platform (big data, IaaS, PaaS, storage, Stackdriver monitoring and logging and networking/VPN) customers, acting as an advisor to and as an ambassador between them and engineering. Led regular office hours for monitoring and logging with partner teams/sub processors.

01/'08 – 01/'09 & 09/'10 – 04/'11: Microsoft Windows Remote Desktop (Collabera/Volt), Software Development Engineer in Test II

Ported a VM provisioning framework from JScript to VBScript and, later, VB.Net. Used in conjunction with a pre-existing knowledge worker user simulation framework (extended to support Silverlight video playback scenarios), we were able to perform scalability testing on Hyper-V VDI w/SAN, determining key sizing metrics for use by marketing. We leveraged sysprep and differencing VHDs, with my custom C# stamper. Also responsible for running the BVTs and managing the infrastructure required by them, including Active Directory, Group Policy, DNS and DHCP.

09/'07 – 01/'08: Wes Ratauschk & Associates, Consultant

Designed, implemented and operated an HTML and web based microservice in C♯, VB.Net, ADO.Net, ASP.Net and SQL for web and e-mail based sign-up of redeemable promotion codes to be distributed by e-mail for a marketing campaign of the client's and its advertising partners.

'99: Systems Engineering, Inc., Consultant

Designed and authored the client's corporate website in HTML and CSS.

Personal Projects:

04/'21 – Present: gdevadmp.c, version][

Component owner of the multi-platform Apple dot-matrix printers AGPLv3 and C based driver in Artifex Software's ghostscript and related graphics applications. Added support for color printing – among a dozen other enhancements and bug fixes, plus a custom CSV driven PowerShell test harness – in Windows Subsystem for Linux, even. Release candidate testing completed and pending submission to Artifex. Expected to ship with ghostscript in 2025. PPDs and signed Windows INFs planned for future][+ release.

'99 – Present: NODOMAIN.NET

A for fun and not for profit, personal hybrid cloud, lab and LAN with extensive web content and retro systems support. Some notable sub-projects include:

'20 – Present: VAX DNS service

Although held up primarily by his scant VUPs, Josh remains committed to supplementing his production and cross-platform DNS service with a VAX based BIND 9 instance – this time trying on his new MicroVAX III hardware (or perhaps on simh in an OCI runtime compliant container) running NetBSD.

'18 – '20: Terms of Use Injector

GDPR and CCPA compliant with custom C♯, XHTML and CSS based IIS HTTP handler and terms of use injector and cookie preference manager.

'17 – Present: Flying Toaster Sanctuary

Originally shipped with live streamed YouTube technology, with an ffmpeg and MPEG-DASH backend in an advanced state of development. Beta – best with Chrome and Edge and subject to more feature creep.

'07 – '09: Untitled JavaScript framework

Authored a custom JavaScript framework, with server and client-side script loader and dependency resolver components, a CSS animation library, HTTP Cookie Jar, SVG processor, User Agent Object, user interface library and other functionality.