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

Synopsis:

Serial innovator with an excellent and current reference and a sharp eye for quality. 17 years of professional technical experience; almost 10 years at Microsoft and 2.5 years at Google; 5 and 5 years of professional experience developing and testing software; 4+ 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.

Skill Breakdown:

- *Languages:* BASICs, C/C++, C♯, Java, JavaScript, PostScript, Command, Power and UNIX® shells, SQL, XHTML/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, HTTP(S), IP(sec), monitoring and logging, networking, 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 and many others including macOS and VMS. Installation and scripted and manual provisioning and management of VMware ESXi and Workstation Pro, Hyper-V, VirtualBox, simh and others.

Prior Experience:

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 also as an ambassador between them and engineering. Led regular office hours for monitoring and logging with partner teams/sub processors.

Personal Projects:

'21 – Present: [gdevadmp.c](), version][

Component owner of the Apple dot-matrix printers AGPL and C-based driver in Artifex Software's ghostscript and related graphics applications. Added support for color printing – among numerous other enhancements and bug fixes. Pending code review and distribution to testers – expected to ship in 1H'24.

'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*
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> Although held up repeatedly by compiler bugs in GCC, Josh remains committed to getting some sort of production DNS service running on any one of his numerous NetBSD based MicroVAXen (or on an emulator in an OCI runtime compliant container) at some point in the future.
>
> *'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.