

Joshua Wisniewski

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PROFESSIONAL SUMMARY

IT professional focused on cloud, with real production experience across Azure and AWS spanning infrastructure automation, identity and endpoint management, and secure system migrations for regulated environments with multiple sites. Comfortable operating across the full stack of a modern cloud environment: provisioning and securing infrastructure, automating manual processes with Python and PowerShell, and building CI/CD pipelines that ship code safely. AWS Certified Solutions Architect – Associate, with a portfolio of cloud projects (Terraform, Lambda, GitHub Actions) built and maintained on my own time from start to finish.

TECHNICAL SKILLS

Cloud Platforms: AWS (Lambda, API Gateway, DynamoDB, S3, CloudFront, Route 53, IAM, ACM, boto3), Microsoft Azure (VMs, VNets/NSGs, App Registrations, Key Vault, Automation Runbooks, Functions, Blob Storage)

Identity & Endpoint Management: Active Directory, Microsoft Entra ID, Group Policy, Conditional Access, RBAC/IAM/PAM, Intune (Autopilot, configuration & app protection profiles, update rings, LAPS), Apple Business Manager, Samsung Knox, JAMF, Quest KACE (SDA/SMA)

Microsoft 365 & Collaboration: M365, SharePoint, Microsoft Teams & Teams Phone, Exchange, MS Graph API, Power Automate, Mimecast, Acronis Cloud

Scripting & Automation: Python (boto3, BeautifulSoup, Pytesseract/OCR, REST API integrations), PowerShell, Bash, Batch

Infrastructure as Code & DevOps: Terraform, Git, GitHub, GitHub Actions (CI/CD design, OIDC auth, automated rollback), Playwright, pytest

Operating Systems & Virtualization: Linux (primary OS – Ubuntu Server, CentOS, Debian), Windows Server (2016–2022), Windows 10/11, VMware, Citrix

Networking & Security: Meraki, FortiGate, Brocade, SentinelOne, Microsoft Defender, WSUS, BitLocker, DNS, OpenSSH, WinSCP

Databases & Reporting: SQL, MariaDB, Power BI

Tools & Platforms: Wrike, Freshservice, ManageEngine, SysAid, NinjaOne, Snipe-IT

PROFESSIONAL EXPERIENCE

Cloud Administrator – CleanSlate Centers

Feb 2024 – Apr 2026 | Brentwood, TN

- Owned hybrid cloud infrastructure spanning Azure (VMs, VNets, security groups, app registrations) and on-premises systems for a healthcare organization operating across multiple states, keeping configurations HIPAA compliant and maintaining connectivity across all connected systems.
- Led migration of on-premises domain controllers and DNS servers from Windows Server 2019 to Windows Server 2022 hosted in Azure, coordinating FSMO role transfers, AD replication validation, and DNS cutover using automation built in PowerShell.
- Directed the migration from an on-premises Cisco phone system to Microsoft Teams Phone across the entire company: planned staggered rollouts across all locations to minimize disruption, configured E911 and call groups managed through dynamic Entra groups, and ran training for end users.
- Ahead of the Teams Phone rollout, used Python and the Meraki REST API to audit and reconfigure switch settings across every location at scale, and set up a secure SSH channel to Linux VMs hosted in Azure, backed by an Azure App Registration issuing rotating keys, so an external vendor could monitor the new phone environment.
- Migrated the organization's telehealth platform from Zoom to Microsoft Teams: rolled out zero touch iPad enrollment via Apple Business Manager and Intune, deployed laptops that were drop shipped and locked into kiosk mode using Autopilot, and used AppLocker to restrict those devices to care relevant applications.
- Configured Azure VNets so clinic locations could reach a provider connection portal hosted internally, accessed through temporary passcodes issued to patients via the practice's EMR system.
- Migrated email backup and retention from Acronis Cloud to Mimecast, configuring the M365 integration, retention policies, and automated mailboxes for clinic staff to communicate with patients.
- Migrated on-premises file shares to SharePoint, using dynamic Entra security groups to manage access down to the folder level as part of the broader move to collaboration tools based in the cloud.
- Managed the organization's Intune environment end to end, including conditional access policies, device compliance baselines, patch management via update rings (migrated from NinjaOne), and MDM certificate/token lifecycle, while serving as the Level 3 escalation point for endpoint and identity issues.

Systems Analyst – CDL Nuclear Technologies

Mar 2023 – Feb 2024 | Wexford, PA

- Modernized endpoint provisioning by migrating legacy Group Policy Objects to Intune configuration profiles and deploying Autopilot, BitLocker, and Intune LAPS, cutting deployment time for a new device from 2–3 hours to 20–30 minutes.
- Designed and built an automated onboarding/offboarding pipeline triggered by a monitored mailbox, using Power Automate, PowerShell, and Microsoft Graph, with service accounts secured through RBAC and secrets managed in Azure Key Vault, letting HR handle account provisioning directly instead of routing it through IT.

- Built a secure SFTP automation pipeline following least privilege principles, using Azure Blob Storage, Azure Automation Runbooks, and OpenSSH, to eliminate a manual weekly financial file transfer process.
- Built a Python web scraper with BeautifulSoup to maintain a routine audit of accredited imaging facilities across supported states, publishing results to SharePoint for leadership review.
- Used Python and Pytesseract OCR to automatically pull billing information from vendor receipts into a structured format for the finance department, eliminating manual data entry.
- Migrated users from an on-premises roaming profile setup to OneDrive, configuring automatic sign in and profile redirection so files synced automatically before retiring the legacy roaming profile Group Policy.
- Decommissioned on-premises file servers by migrating shared storage to SharePoint sites, using dynamic Entra security groups to manage access.
- Configured BYOD and corporate MDM enrollment for iOS (Apple Business Manager) and Android (Samsung Knox) devices.

IT Generalist – Slippery Rock University

Jul 2021 – Mar 2023 | Slippery Rock, PA

- Redesigned the patch management strategy for the entire campus using Quest KACE SMA, raising security compliance from 5% to 95% within the first month across roughly 3,000 endpoints.
- Rebuilt the Windows imaging and deployment pipeline with Quest KACE SDA, creating deployment profiles specific to each department and use case, enabling PC replacement the same day via PXE imaging and USMT profile migration.
- Implemented dynamic device grouping in KACE based on naming conventions, streamlining PC repurposing into a simple process of renaming a machine and letting it resync automatically.
- Built a centralized student/staff lookup and password reset tool in PowerShell for the help desk, consolidating four separate manual systems into a single automated workflow.
- Managed software licensing lifecycle and vendor relationships for a wide portfolio of specialized academic software, including Adobe, ArcGIS, AutoCAD, SOLIDWORKS, MATLAB, and SAS.

IT Analyst – United Plate Glass

Nov 2020 – Jul 2021 | Butler, PA

- Rebuilt Active Directory and Group Policy infrastructure following a ransomware incident, restoring secure baseline configuration across the environment.
- Automated employee account provisioning using PowerShell, reducing account creation, permissions assignment, and email configuration for new hires down to a single process driven entirely by user input.
- Built a live Power BI dashboard sourced from ERP SQL data to track manufacturing output against daily and bonus production targets.
- Implemented a centralized asset and software license management platform using Snipe-IT, IIS, and MariaDB, and deployed JAMF for iOS device management.
- Resolved a stale DNS record backlog, configured WSUS for automated patch management, and deployed Veeam for daily backup of Windows servers running on VMware.

PERSONAL PROJECTS

Cloud Resume Challenge – jjwis.com

- Portfolio site I built by hand and deployed on serverless AWS infrastructure: S3 and CloudFront for static hosting, with API Gateway, Lambda, and DynamoDB powering a live visitor counter.
- All infrastructure defined as code in Terraform, including import blocks used to bring existing AWS resources that were created manually under Terraform management without a rebuild.
- CI/CD pipeline built with GitHub Actions using OIDC authentication so no credentials have to be stored long term, running automated Playwright and pytest smoke tests against the live site with automatic rollback on failure.

Winston – Twitch chat bot

- Distributed Python application: an OAuth server built with Flask for Twitch and Spotify token management, an async WebSocket service handling Twitch EventSub chat and moderation events, and a shared internal library for token refresh and API calls across services.
- Implements automated chat moderation, including detection of banned phrases and user banning with conflict handling, plus Spotify queue integration triggered by chat commands.
- Deployed on a Raspberry Pi behind a Cloudflare Tunnel for secure remote access without exposing a public IP.

EDUCATION & CERTIFICATIONS

A.S. in Information Technology – Community College of Allegheny County

Jan 2016 – May 2017

Coursework focused on systems administration and networking.

AWS Certified Solutions Architect – Associate (SAA-C03)

Obtained Jul 2026 – Expires Jul 2029

Certified knowledge in designing systems on AWS that are secure, resilient, high performing, and cost optimized.