

ALEXANDER WILSON

St. Louis, MO
314.583.8686

Alex.Wilson.0425@gmail.com

AlexWilson.info | [GitHub](https://github.com/AlexWilson) | [LinkedIn](https://www.linkedin.com/in/alexwilson0425/)

Professional Summary

Focused IT professional seeking challenges in process automation, computer networking, and information security.

A results-driven professional with a background in IT, software development, and project management. A strategic thinker with strong communication skills, known for being organized and detail oriented. Enthusiastic about innovation and solving complex challenges, with a focus on security, networking, cloud computing, and exploit development. Committed to returning to a hands-on technical role to learn, grow, and make a meaningful impact.

Core Competencies

- Network Security
- Zero Trust Networking
- Automation
- Cloud Security
- Offensive Security
- Security Hardening
- Application Security
- Threat Modeling
- Containerization

PROFESSIONAL EXPERIENCE

AMEREN, ST. LOUIS, MISSOURI, AUGUST 2019 TO APRIL 2024

IT Project Manager

- Owned and managed multiple assigned projects, maintaining schedules with a variance of less than 90 days. Led monthly cost-tracking exercises, budget variance analysis, and time-tracking reviews, ensuring financial alignment with an overall variance of less than 5%.
- Led the Workday implementation project, collaborating with digital teams, business units, consulting partners, and union representatives to gather, develop, and refine integration requirements. Standardized approval workflows for unique integration patterns, ensuring compliance with security policies and enterprise architecture standards, accelerating deployment timelines for 50+ integrations by cutting compliance approval delays by up to 80%.
- Oversaw semi-annual Workday Release Management project, coordinating tenant management, system changes, and in-flight development to ensure zero unplanned downtime and 99.9% system availability while aligning configurations with evolving security requirements.
- Led a recurring hardware refresh initiative, coordinating semi-annual upgrades for expiring network and security appliances to minimize attack vectors and ensure compliance with vendor support agreements, reducing end-of-life exposure by 85% and improving overall posture and resilience.

AMEREN, ST. LOUIS, MISSOURI, MAY 2018 TO AUGUST 2018, MAY 2019 TO AUGUST 2019

Digital Intern

- Helped implement Microsoft Teams as the primary video conferencing platform by developing automation workflows in Microsoft Power Automate to streamline user provisioning and access control. Assisted in migrating meeting data, enforcing standardized permissions, and integrating Teams with existing SharePoint online environments. Coordinated with the help desk to resolve frequent adoption challenges and decommission legacy tools, leading to a 20% reduction in IT support tickets related to video conferencing.
- Assisted in the migration of 5,000+ SharePoint 2016 sites to SharePoint Online by writing PowerShell scripts that extended the capabilities of SharePoint Migration Assessment Tool by adding custom validation checks, reducing migration failures to less than 1%.

ALEXANDER WILSON

ST. LOUIS COMPUTER SERVICES, ST. LOUIS, MISSOURI, MAY 2015 TO MAY 2018

IT Support Technician

- Provided end-user IT support for desktops, laptops, peripherals, diagnosing and resolving software, hardware, and networking issues, including OS errors, driver conflicts, and malware removal. Handled 30+ support tickets per week and maintained a 90%+ first call resolution rate.
- Performed hardware diagnostics, repairs, and upgrades for desktops and laptops, including RAM, SSD, GPU, PSU, and motherboards replacements. Completed 25+ hardware repairs and upgrades per month, improving system performance and extending device lifespan by an average of 18 months.

EDUCATION AND CERTIFICATIONS

NETWORK+

Computing Technology Industry Association (CompTIA), Illinois

CERTIFIED CLOUD PRACTITIONER (CCP)

Amazon Web Services (AWS), Pennsylvania

PROJECT MANAGEMENT PROFESSIONAL (PMP)

Project Management Institute (PMI), Pennsylvania

1ST PLACE - MISSOURI STATE UNIVERSITY CNAS UNDERGRADUATE COMPUTER SCIENCE RESEARCH COMPETITION - 2019

Topic: Automated Pathogen Detection and Quantization using Machine Learning

BACHELOR OF SCIENCE (B.Sc.) IN COMPUTER SCIENCE - 2019

Missouri State University, Springfield, Missouri

SKILLS AND PROFICIENCIES

Languages: C, C++, Rust, Zig, Bash, PowerShell, Perl, Python, PHP, JavaScript, TypeScript, Ruby, Elixir, Lua.

Operating Systems: Arch, Manjaro, Debian, Fedora, Alpine, FreeBSD, OpenBSD, Proxmox VE, Xen, KVM, Hyper-V, Unraid, TrueNAS, Windows 11, Windows Server 2022, RancherOS, QubesOS.

Hosting and DevOps: AWS, Azure, Digital Ocean, Vercel, Firebase, n8n, GitHub Actions, Jenkins, Argo CD, Docker, Kubernetes, Helm, Portainer, Terraform, Packer, Ansible, Chef, Prometheus, Grafana, Vault.

Networking and Security: Active Directory, Azure AD, Kerberos, Keycloak, SAML, OAuth2, Tailscale, Twingate, Tor, I2P, OpenVPN, WireGuard, pfSense, Snort, Wazuh, Elasticsearch, Logstash, Kibana, Elastic Agent, Graylog, Nessus, Metasploit, Burp Suite, Ghidra, Binary Ninja, YARA, Sigma, Falco, Blackbox

Databases: PostgreSQL, Microsoft SQL Server, SQLite, MongoDB, Redis, Qdrant, Convex, Supabase

Web Development: Nginx, Node, Express, Fastify, Bun, Deno, Oak, Django, Laravel, Ruby on Rails, React, Next.js, Solid.js, Tailwind, Shadcn, Vite, GraphQL, Prisma, Supabase, Three.js, P5.js, WASM, Selenium, Playwright, Clerk, Passport.js, jQuery.

Machine Learning and AI: NumPy, Pandas, scikit-learn, PyTorch, TensorFlow, Keras, CUDA, TensorRT, TorchServe, TensorFlow.js, Optuna, Flash, Roboflow, Cursor, Claude Code, Windsurf, Void, v0.

Productivity Tools: Neovim, VS Code, Git, Notion, Confluence, Jira, Trello, Smartsheet, ServiceNow, Workday, Microsoft Office 365 (Access, Excel, Project, Planner, Power BI), Google Workspace (Sheets, Drive, Forms, Calendar), QuickBooks.

Design Tools: Adobe Suite (Illustrator, Photoshop, After Effects, Premiere Pro), Figma, Inkscape, ZBrush, Blender, Solid Works, Bambu Studio, Meshroom, OpenDroneMap, Davinci Resolve 20, FL Studio.