# ALEXANDER WILSON

St. Louis, MO
314.583.8686
Alex.Wilson.0425@gmail.com
AlexWilson.info| GitHub | LinkedIn

## 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%.

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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

**Productivity Tools**: Cursor, Neovim, VS Code, Git, Notion, Obsidian, Jira, Trello, Confluence, Smartsheet, Microsoft Office 365 (Access, Excel, Project, Planner, Power BI), Oracle Primavera, ServiceNow, Salesforce.

**Creative Tools**: Adobe Suite (Illustrator, Photoshop, After Effects, Premiere Pro), Figma, Inkscape, ZBrush, Blender, Fusion 360, Bambu Studio, Meshroom, OpenDroneMap, FL Studio.

**Operating Systems:** Arch, Debian, Fedora, Alpine, RancherOS, QubesOS, Windows 10/11, Windows Server 2019/2022, Proxmox VE, Xen, KVM, Hyper-V, Unraid, TrueNAS.

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

**Databases**: PostgreSQL, Microsoft SQL Server, SQLite, MongoDB, Qdrant, Redis.

**Web Development:** Nginx, Node.js, Deno, Bun, PM2, Express.js, Fastify, Oak, Django, Laravel, GraphQL, React, Next.js, Solid.js, Tailwind CSS, shadcn, Vite, Prisma, Supabase, Three.js, P5.js, Selenium, Playwright, jQuery.

**Machine Learning**: NumPy, Pandas, scikit-learn, PyTorch, TorchServe, TensorFlow, Keras, TensorFlow.js, Flash, Optuna, CUDA, TensorRT, Roboflow.

**DevOps**: GitHub Actions, Jenkins, Docker, Kubernetes, Helm, Argo CD, Portainer, Terraform, Packer, Ansible, Chef, Vault, Prometheus, Grafana.

**Networking**: Active Directory, Azure AD, Kerberos, Keycloak, Authelia, SAML, OAuth2, WebAuthn, Tailscale, Twingate, Tor, I2P, OpenVPN, WireGuard, OPNsense, pfSense, Snort, Suricata, Zeek, Wazuh.

**Security**: Elasticsearch, Logstash, Kibana, Elastic Agent, Graylog, Splunk, Nessus, Metasploit, Burp Suite, Ghidra, Binary Ninja, YARA, Sigma, Cuckoo, Falco, NaCl, Blackbox.