Jason McGinn
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Professional & Technical

Easy going, woods and wind kinda guy, summers I'm on the waters or in the trees. Me and my dog are always together, he's patient and has lots of great people who can watch him if I'm needed for a time away. I enjoy technology and figuring out how to make things work.

Senior IT professional experienced in infrastructure, cloud, and technology management. Microsoft Azure and D365FO certified. Proven record of improving business efficiency through automation, reliable infrastructure, and high-quality client/customer service.

Currently working on Kubernetes, using Linux command line, some python, bash, etc thrown in.
- ***Minikube** and **kubectl** orchestration tools to emulate a network deployment for dev (to start)*
- *Deployment of localized AI installation (Ollama, using llama3.2 3B),*
  - *Dedicating 24GB of DDR4 and 5 GB of VRAM, NVIDIA 1060 6GB, 1 TB*
- *Configuration and deployment of other containers (Network Services + virtual workspaces)*

The idea is to leverage some basic AI Agentic services securely woven into the network, to see how much it can help me manage a network. Interested to see AI spot problems and report them, to start.

Building a live documentation process along with this learning path, AI will take a roll in managing documentation. Each document I do with the AI system, gets cleaner, I can use workflows to communicate with the application's API, automating a ton of documentation hardships. Each report delivered to be formatted with CSS, javascript, etc

Education

- Information Systems Specialist Diploma
- Certifications (Last 3 years)
  - Microsoft Azure Fundamentals
  - Microsoft Dynamics 365 Finance & Operations Fundamentals
- Books I've listened to this year, more insights into my direction of things
  - AI Engineering
  - Comptia Security +
  - The Kubernetes Book
  - The Cuckoo's Egg
  - The Pen-testers Blueprint
  - The Wizard's First Rule Series – Terry Goodkind

Skills & Experiences

- Instruction & Training: College-level instruction and client training across multiple organizations
  - Developed curriculum and training materials, conducted hands-on labs
- Infrastructure & Network Management
  - Server deployment, maintenance, and monitoring, hardware installation and cable management
- Cloud Administration: Azure, AWS, Google Cloud
  - Provisioning and management of cloud resources, cost optimization and security monitoring
- Virtualization: Hyper-V, ESXi, Azure, AWS, Citrix
  - VM deployment and migration, resource allocation and performance tuning
- Scripting & Automation: PowerShell, Python, Bash, SQL, PHP
  - Automation of workflows and repetitive tasks, system monitoring and reporting
- Databases: Administration & Management – MySQL, MSSQL, PostgreSQL
  - Performance optimization and security, Backup and Recovery
- Security & Firewalls: pfSense, WatchGuard, Cisco, Azure
  - Firewall configuration and rule management, security policies with procedures
- Networking & Wireless: Cisco, SonicWall, Juniper, Netgear, UniFi, Meraki
  - Network design and troubleshooting, wireless deployment and monitoring
- VoIP Systems & Telephon – Setup, Support and Management
- Kubernetes using Minikube for orchestration and management of containerized services
  - Deployment and scaling of containerized services, monitoring and maintaining cluster health
- AI integration for localized and cloud environments – Agentic workflows
  - Automating monitoring, reporting, and documentation with AI integration
- Monitoring: PRTG, Auvik, SolarWinds, Nagios
  - Setup, configuration, and alert management, performance reporting and analysis
- Business Systems: Sage, Syspro, NetSuite, Dynamics 365
  - Implementation support, customization, upgrades, end-user training
- Disaster Recovery and Backup solutions
  - DR planning, testing, and execution, data backup strategy and validation

Professional Background

Technical Service Representative (Level 2) | 2024–Present
- Diagnose and resolve hardware and software issues on Xerox equipment
- Perform repairs, parts replacement, and preventative maintenance
  - Maintain accurate service documentation and parts inventory
- Certified to service all but specialized production printers

Infrastructure Consultant | 2021–2023
- Designed and deployed infrastructure supporting multiple Dynamics 365 development projects
- Managed security, backups, procedures, deployment options and more
- Created documentation to hand off to technical leads, providing full deployment and configuration options, common support issues.
- Worked closely with data modellers as part of migration process preperations

IT Consultant | 2017–2021
- Provided end-to-end IT services for 150+ clients across multiple industries
- Supported infrastructure, security, automation, and operational continuity