Neal Spangler

System Administrator

Dayton, TX (Greater Houston) | Neal@SpanglerTech.com | linkedin.com/in/neal-spangler-08122b122 | spanglertech.com

Summary

System administrator with 7 years managing office IT. The only sysadmin at Design Ventures, a sign and print manufacturer, responsible for user support, Windows and Mac computers, Linux servers, networking, backups and production systems. Automates recurring work with PowerShell, Python and Bash.

Experience

System Administrator, Design Ventures (sign and print manufacturer)

Jan 2026 – Present

- Support and secure 63 networked devices, including Mac and Windows computers, Linux servers, NAS, VoIP and 24 cameras. Handle help desk requests for all staff.
- Moved the FileMaker work-order system, about 414 GB including attached files, to a dedicated Dell PowerEdge server. Rehearsed the cutover, set checkpoints and checked rollback readiness.
- Set up hourly and nightly snapshots and a second-NAS mirror with deletion limits and separate checks. Configured an offsite transfer with an 8.7 TiB seed target. Replaced inherited database dumps that could not be restored.
- Led the move from Dropbox to company-owned storage. Mirrored and checked 560,000+ files, wrote instructions for users and moved computers in groups.
- Moved 12 Macs to Mosyle mobile device management (MDM). Reset one test Mac to verify enrollment and migrated the rest in place. Scripts apply and check printer, share and other settings.
- Ran vulnerability assessments, prioritized fixes and responded to 4 phishing campaigns. Added DNS filtering and DKIM signing, restoring sales-email delivery to 2 customers.
- Automated health checks, repairs and backups with alerts when conditions change. Keep fixes and decisions in an Obsidian/Git runbook, also used as context for AI-assisted scripting and review.
- Ran the production floor alongside IT. Screened applicants, trained new hires on six machine types, led crew meetings and mentored a junior developer.

System Administrator, Woodin Ventures LLC (gaming entertainment)

Oct 2019 – Dec 2025

- Managed all IT for an office of 12 people: computers, network, Wi-Fi and firewall, servers, storage and backups, phones, cameras and office equipment.
- Supported all users with computers, accounts and printers. Managed vendors and hardware purchasing.

Substitute Teacher, Dayton Independent School District, Dayton, TX

Aug 2017 – Sep 2019

General Manager, Cici's Pizza, Texas City, TX

Jan 2016 – Aug 2017

General Manager, Papa John's, Galveston, TX

Oct 2009 – Oct 2015

- Across the two stores: hiring, training, scheduling, budgets, inventory, delivery logistics and waste reduction.

Skills

Systems: Windows Server, Active Directory, Group Policy, Windows 10/11, macOS, Ubuntu, Debian, systemd, SSH
Networking: TCP/IP, VLANs, DNS, DHCP, Wi-Fi, VPN, VoIP, firewall and switch administration
Security: vulnerability assessment, phishing response, MFA, BitLocker/FileVault, least-privilege access, SPF/DKIM/DMARC
Backup and recovery: Synology, QNAP, Btrfs snapshots, rsync, Backblaze B2, rclone, Clonezilla, restore testing
Endpoints: Mosyle MDM, Apple Business Manager, Windows provisioning, desktop support, shared printers, Microsoft 365 apps
Automation and data: PowerShell, Python, Bash, SQL, REST APIs, Git, FileMaker Server
Virtualization and cloud: VMware ESXi, Hyper-V, Proxmox, Docker, Kubernetes, DigitalOcean, Azure, AWS. Windows 365 and Azure Virtual Desktop in labs only.
AI tools: Claude Code, OpenAI Codex, MCP, Obsidian context, multi-model review, command checks and approval gates

Projects

- **Scan-to-cut automation:** matched the cutter's undocumented barcode format byte for byte. Automatically converted 200 of 296 existing cut guides into cutter programs (68%).
  spanglertech.com/work/scan-to-cut
- **AI agents with command checks:** set task permissions, restricted commands outside the model and required approval for risky work. Used multi-model review.
  spanglertech.com/work/ai-agents

Education

Mathematics coursework, Antelope Valley College. GED, Quartz Hill High School, with web page design coursework.