

**Nick Leffler**

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**JOB EXPERIENCE**

**WVU** | Morgantown, WV (Remote) | **Linux Systems Administrator** | 01/2021-Present

West Virginia University (wvu.edu)

Load Balancer configuration

- NSX-T (Security Groups)
- AVI virtual server configuration (VS IP, Pools, Pool Groups, Application Rules, Application Profiles, etc)
- F5

Version Control

- Build CI/CD pipelines in Gitlab

Virtualization

- Build/destroy VMs via vCenter

Linux Administration/Troubleshooting

- RHEL 6/7/8

Project work

- Deployed TIG/TICK stack (POC, but we went with Prometheus)
- Deployed Prometheus. Install/configure grafana-agent to push to Prometheus
- Configure Prometheus alerts with email and opsGenie

Automation

- IaC with Terraform
  - Deployed via gitlab pipeline
  - AWS (Fargate, CloudFront, EC2, ACM, S3, IAM)
- Work with Ansible tower
  - Create/edit playbooks

**Magna/Vehtek** | Bowling Green, OH | **Systems Administrator** | 08/2020-01/2021

<https://www.magna.com>

Windows Desktop Administration

- Troubleshoot Windows issues (Slow machines, NIC issues)

Windows Server Administration

- Printer Management
- Keep an eye on Event Viewer

Linux Desktop Administration

- Work with GUI based Linux distro (Raspbian/Ubuntu/Lubunu/Debian)
- Keeps machines updated
- General Management (Using Ansible)

Office Administration

- Set up and configure new hires
- Decommission terminated users

Hypervisor Administration (VMware)

**MNX Solutions** | Monroe, MI | **Systems Administrator (Linux)** | 08/2019-08/2020

<https://www.mnxsolutions.com>

#### Website Administration

- Manage cPanel/WHM and Plesk Servers.
- Configure and troubleshoot iptables rules
- Assist in troubleshooting WordPress sites
- Troubleshoot NGINX and Apache configuration issues

#### Linux Administration

- IPTables, FirewallD and CSF administration
- Tracking down disk space issues
- Light bash scripting
- SystemV and SystemD troubleshooting
- Work with disk partitions using ZFS and LVM
- Server migrations (cPanel, baremetal, Plesk)
- ZFS Administration
  - Add/remove disks from pool
  - Create/destroy pools/file-systems
- mdraid Administration
  - Create RAID arrays
  - Create file systems on array
- LVM Management
  - Add/remove PV/VG/LV
  - Manage files systems on LV

#### Hypervisor Administration

- SmartOS Management using CLI and Triton
- HyperV Management

**Leffler.Media LLC** | Grand Rapids, OH | **CTO** | 10/2015-Present

<https://leffler.media>

#### Self Hosted Services

- All services behind NGiNX reverse proxy if possible with SSL using [acme.sh](#) and [CloudFlareDNS API](#)
- Bitwarden via vaultwarden compiled from source
- Nextcloud
- Gitea running on VPS along side Metroline for CI/CD (eventually migrating to Gitlab CE)
- [MeshCentral](#) and [TacticalRMM](#) for managing remote Windows and Linux machines
- VictoriaMetrics and Grafana-agent/telegraf for server monitoring
- [Gatus](#) for uptime monitoring and [NTFY](#) and AmazonSES for alerting to end user
- Minio server for self-hosted S3 storage
- [Loki](#) for log monitoring
- Unifi for WAP/Switches for family
- Helpdesk using [Zammad](#)
- Chat using [Mattermost](#), Synapse (Matrix), and [eJabberD](#) (XMPP)
- VPN using [tailscale](#)/[headscale](#)

#### CI/CD

- Gitea
- Metroline

#### Web Server Administration

- NGINX
- PHP-FPM

#### Website Design

- Website design using WordPress and basic HTML/CSS.

#### Automation

- Ansible management

#### Linux

- Debian and CentOS

- Systemd and Systemv
- IPTables/IPSet/Firewalld/UFW

#### Networking

- Basic firewall/router using OpenWRT

#### Programming

- Light python, PHP, and goLang programming.
- Have also worked with Arduino (C+, Java) and Picaxe (BASIC)

#### Hypervisor

- Proxmox
- Debian (KVM)

**MR Direct** | Toledo, OH | **Systems Administrator** | 04/2019-07/2019

<https://www.mrdirectint.com>

#### Linux Administration

- Work with CentOS and Debian servers, some with cPanel and others without.
- Work with MySQL on Linux and Windows servers. Create database, users, and basic queries
- Configure Apache on Linux servers. Create virtual hosts and configure logging

#### Windows Administration

- Manage Windows 7/10 computers being used as servers for Quickbooks and UPS WorldShip

#### VMWare

- Work with vCenter and ESXi 5.5 for managing VMs

#### AWS Administration

- Audit billing, VMs, and firewalls
- Work with S3 storage utilizing rclone

#### Projects headed and executed

- Migrate Quickbooks to new VM in ESXi environment
- Migrate Jira, Bitbucket, and Bamboo into new VM (lift and shift java programs)
- Install and configure network monitoring using LibreNMS and SNMP on Windows and Linux servers
- Set up Jitsi meet server
- Set up Wiki using MediaWiki

#### Development

- Light PHP development

**CISP** | Sylvania, OH | **Jr System Admin** | 06/2018-04/2019

<http://cisp.com>

#### Linux troubleshooting and configuring

- Network issues (Configure networking using /etc/network/interfaces)
- Systemd and Systemv issues (Determining why unit or service isn't starting and resolve the issue)

#### Windows server and desktop troubleshooting and configuring

- Network issues
- Set up AD, DNS, DHCP

#### VMWare ESXi, vSphere, and VCSA

- Work with VCSA and vSphere to spin up and delete VMs.

**CISP** | Sylvania, OH | **Tier 2 and Desktop Support** | 12/2014-06/2018

<https://cisp.com>

#### Client and in house Technical Support

- Configure Windows 7/10 Computers for employees
- Add PCs to domain
- Change AD information
- Add users in AD and Exchange
- Fog Imaging Software

#### Control4 support

- Program switches, TVs, etc
- Create and edit scenes

#### Security Camera Support (Unifi, Avigilon, Bosch, BlueIris)

- Configure cameras (IP Addressing, Bandwidth settings)

#### Network support

- Assist network engineer while onsite

### **EDUCATION**

#### **Springfield High School** | Toledo, OH | 08/2008-6/2012

- JROTC Freshman Year
- Honor Roll Sophomore Year
- Merit Roll Junior Year
- Science Olympiad Junior and Senior Year
- Excelled in Math and Science

#### **Owens Community College** | Perrysburg, OH | 8/2014-04/2019

- Associate of Applied Science majoring in Computer Science

### **SKILLS**

#### **Certifications**

- LPIC-1: System Administrator | Linux Professional Institute | 01/2019
- Linux+ (Plus) | CompTIA | 1/2019

#### **Computers**

- Windows 7/10/11
- Windows Server 2008, 2008r2, 2012, 2012r2, 2016, 2019
- Ubuntu, Debian 9/10/11, CentOS 7/8/9, RHEL 7/8/9
- Mac OSX
- Ubiquiti hardware/software
- Light Cisco knowledge.

#### **Domains**

- [Git Repo](#)
- [Linkedin](#)
- [Leffler.Tech Blog](#)
- [Leffler.Me](#)
- [Leffler.Media LLC](#)
- [Leffler.Wiki](#)

References upon Request