

# Wyatt Searcy

[info.wijits.org](mailto:info.wijits.org) | [github.com/wijits36](https://github.com/wijits36) | [wyatt@wijits.org](mailto:wyatt@wijits.org) | 317-674-2123 | Indianapolis, IN

Linux and virtualization engineer with 5+ years supporting and automating distributed infrastructure. Contributed automation tooling adopted into production software. Building toward CI/CD and infrastructure-as-code expertise.

## Professional Experience

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### Technical Support Engineer (Tier 1 → Tier 3) - Scale Computing - Indianapolis, IN

Sept 2022 - Present

- Developed Bash scripts to automate support workflows including SSH certificate generation, drive failure diagnostics, thermal/CPU monitoring, and VM affinity management; diagnostics script adopted into production software
- Led initiative to remediate DMI serial numbers across hundreds of nodes from multiple hardware vendors (Dell, Lenovo, SuperMicro), coordinating customer outreach and tracking
- Performed BIOS and iDRAC firmware updates across 40-node cluster environment for enterprise customer
- Created internal Git repository to document engineering workarounds and field fixes, organized by firmware version
- Assisted QE team in reproducing and documenting GCP platform bug involving drive slot enumeration
- Diagnosed hardware and software failures through log analysis, IPMI/out-of-band management, and distributed storage troubleshooting
- Subject matter expert for Linux internals, HyperCore OS, SCRIBE storage engine, and Leostream integration

### IT Support Coordinator - Memory Ventures - Indianapolis, IN

May 2019 - June 2022

- Managed infrastructure of 100+ systems including Linux/Windows servers, 64 video encoding servers, and workstations across on-prem and cloud environments
- Developed Bash and Python scripts to automate file transfers to AWS S3 and between workstations and file servers
- Prototyped video capture automation workflow using Bash, Python, OBS, and ffmpeg
- Implemented system monitoring using Grafana and Loki across the organization
- Maintained network infrastructure including core switches, edge switches, and firewalls
- Led team effort to run, test, and terminate 10,000+ feet of CAT-6 cabling in new 80,000 sq ft facility

## Skills

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- **Linux:** RHEL, system administration, log analysis, IPMI/out-of-band management
- **Virtualization:** QEMU/KVM, libvirt, hypervisor troubleshooting
- **Scripting & Development:** Bash, Python, C++ (basic)
- **Infrastructure:** Git workflows, GitHub Actions CI/CD, Caddy, systemd
- **Cloud Platforms:** AWS, GCP (Scale Computing integrations)
- **Monitoring:** Grafana, Loki, syslog analysis

## Personal Projects

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- **Syslog Viewer:** Real-time log viewer (Python/Flask, WebSockets) with systemd service, SSL support, and install/update scripts; deployed in home lab ([github.com/wijits36/syslog-viewer](https://github.com/wijits36/syslog-viewer))
- **C++/Python Key-Value Store:** Learning project with GitHub Actions CI pipeline including multi-platform matrix testing ([github.com/wijits36/cpp-py-kvstore](https://github.com/wijits36/cpp-py-kvstore))
- **Portfolio Site:** Dual-environment infrastructure (dev/prod) with Caddy, Git branching workflow, and hostname-aware deployment scripts
- Completed Linux From Scratch (LFS) to deepen Linux internals knowledge

## Education

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Coursework in Computer Science - Purdue University

Coursework in Informatics - IUPUI