

Tyler Kleint

Linux Systems Administrator · Infrastructure Engineer

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SUMMARY

Linux Systems Administrator with five years of experience supporting university research and computer science environments, plus ongoing Kubernetes and GPU research-infrastructure work. Administers Linux, virtualization, networking, identity, containers, cloud services, and web infrastructure; automates provisioning and operations with Ansible, Bash, SSH, and Python.

TECHNICAL SKILLS

Linux & Systems: Linux, Ubuntu, systemd, VMware, JupyterHub, Nginx, Caddy

Containers & Cloud: Kubernetes, Docker, Ansible, AWS, Azure, DigitalOcean

Networking & Security: TCP/IP, DNS, DHCP, LDAP, SSH, TLS, PXE

Automation & Services: Bash, Python, Git, GitHub Actions, CI/CD, PostgreSQL, Redis/RQ, REST APIs

EXPERIENCE

Junior Systems Administrator

January 2020 – December 2024

The City College of New York, Computer Science Department · New York, NY

- Administered a multi-user Linux lab supporting university research and computer science instruction.
- Deployed and maintained Ubuntu servers, JupyterHub services, Nginx reverse proxies, and TLS certificates issued through Let's Encrypt.
- Automated recurring administration with Bash and SSH while operating DNS, DHCP, LDAP, VMware, and infrastructure monitoring.
- Administered hybrid Azure, AWS, and on-premises infrastructure; diagnosed Linux service, network connectivity, and access-control incidents.

TECHNICAL PROJECTS

CCNY Glasslab — Research Infrastructure Engineering

2025 – Present

Research infrastructure project

- Build and administer a 7-node Kubernetes research cluster with 4 schedulable NVIDIA GPU workers and an 11 TB NFS-backed shared-storage pool.
- Automate PXE provisioning, host and GPU configuration, package maintenance, container-image delivery, and operational checks with Ansible and Bash.
- Maintain a durable control plane spanning workflow APIs and registries, PostgreSQL, MinIO, NATS, local model serving, CI policy, and post-change smoke tests.

ADNS — Anomaly Detection Network System

2025 – 2026

Computer Science senior project

- Built an end-to-end anomaly-detection platform combining live tshark capture, Flask APIs, PostgreSQL, Redis/RQ asynchronous scoring, machine-learning detection, and a React dashboard.
- Packaged the API, worker, frontend, PostgreSQL, Redis, and optional capture agent as a reproducible Docker Compose deployment with service health checks.

EDUCATION

B.S., Computer Science

The City College of New York (CUNY) · December 2025