

# Kyle Keilson

kylekeilson@gmail.com • Oswego, Illinois US

<https://www.keilson.org> • <https://github.com/kkeilson> • <https://www.linkedin.com/in/kkeilson/>

---

## EXPERIENCE

---

### Senior Systems Engineer (Enterprise Systems Engineer)

January 2019 – current

Ringling College of Art and Design • <https://www.ringling.edu/>

- Architected, deployed, and managed a robust enterprise virtualization environment based on **VMware vCenter/ESXi** and Hyper-converged Infrastructure (**Cisco HyperFlex**).
- Led the deployment of **Pure Storage SAN** arrays and administered hardware across **Cisco UCS** blade and **Dell PowerEdge** fleets.
- Designed and maintain **CI/CD pipelines** using **Git**, **Ansible**, and **GitHub Actions** for automated deployment of macOS configurations, VMware templates, and infrastructure provisioning across enterprise environments.
- Spearheaded **Identity and Access Management (IAM)** solutions using **Okta Workforce Identity Cloud**, developing **Okta Workflows** and contributing to complex SSO integrations.
- Implemented automated account provisioning integrating **Okta** with **Workday HCM**, enabling seamless onboarding workflows for both students and employees while maintaining security compliance and reducing manual provisioning overhead.
- Enhanced organizational security posture by managing and troubleshooting **Palo Alto firewall** rules, administering the **Graylog** log management solution, and providing system hardening expertise.
- Architected serverless **AWS Lambda** functions integrated with **Signalwire telephony** to handle **Okta MFA** voice authentication, with automated deployments managed through **GitHub Actions** workflows for continuous integration and delivery.
- Orchestrate automated deployment pipelines for **3,000+ macOS devices** using **Jamf Pro** and **Munki** with **Git-based workflows**, enabling continuous integration of software packages and configuration management through **Bash/Python** automation scripts.
- Maintain enterprise-grade **CI/CD workflows** with automated testing, staged deployments, and rollback capabilities, reducing deployment errors by 85% and enabling rapid iteration cycles for infrastructure updates.
- Managed critical campus infrastructure, including **VMware Horizon (VDI)**, **Genetec Security Center** (Cameras/Door Access), **eduroam-US** networking, and telephony systems (**Signalwire/Asterisk**).
- Managed the full certificate lifecycle for internal and external services (**SSL/Client/Code-Sign**) using **InCommon/Sectigo**, including key management and team mentorship.

## Systems Engineer/Team Lead

March 2018 – January 2019

SouthTech Solutions • <https://www.southtech.com>

- Provided technical leadership and mentorship to **7-member support team**, establishing daily performance goals and escalation procedures
- Served as senior escalation resource for complex **Mac, Windows**, and **network infrastructure** issues across managed service provider client base
- Deployed and configured on-premise infrastructure including **backup/disaster recovery systems, firewalls, routers, switches, and access points**
- Administered enterprise networking equipment including **SonicWall firewalls** and **managed switches**, configuring **DHCP, DNS, and NAS** services
- Coordinated vendor relationships for hardware **RMAs**, service escalations, and resource scheduling to ensure client **SLA compliance**
- Designed implementation strategies for complex **multi-site client deployments** and provided technical project leadership

## Systems Support Specialist

February 2017 – March 2018

SouthTech Solutions • <https://www.southtech.com>

- Implemented company-wide productivity solutions including **Microsoft Teams** deployment and user adoption strategies
- Resolved complex telephony issues for **Star2Star VoIP** systems, providing both technical support and user training
- Designed and implemented **call center platforms** for clients, including configuration, deployment, and staff training programs
- Managed user **onboarding and offboarding** processes, ensuring security compliance and access provisioning
- Created comprehensive **knowledge base documentation**, becoming top contributor of technical articles for internal staff reference

## Field Support Specialist

July 2015 – January 2017

DePaul University • <https://www.depaul.edu>

- Developed customized **macOS** and **Windows deployment images** ensuring compliance with university security standards and application requirements
- Resolved **Tier II** hardware, software, networking, and **IP telephony** issues using enterprise tools including **LogMeIn Rescue, Apple Remote Desktop, Microsoft SCCM, and Active Directory**
- Created **bash** and **Python** automation scripts for system diagnostics, troubleshooting workflows, and deployment processes
- Diagnosed and documented complex technical issues across **authentication systems, network infrastructure, and telephony platforms**
- Recruited, trained, and provided technical mentorship to new team members while maintaining operational excellence

## Help Desk Associate Analyst

June 2012 – July 2015

DePaul University • <https://www.depaul.edu>

- Developed in-house **network storage access application** for **Mac computers**, improving user experience and reducing support tickets
- Collaborated on a team to develop **Single Sign-On (RADIUS)** solution for wireless authentication, contributing to architecture design and testing
- Provided mobile device support across **iOS, Android, and BlackBerry** platforms for **Exchange Server** connectivity and university applications
- Delivered escalation support for faculty, staff, and students while maintaining service level agreements through **PeopleSoft CRM** system

## Help Desk Student Analyst

January 2012 – June 2012

DePaul University • <https://www.depaul.edu>

- Managed ticket creation, maintenance, and escalation via **PeopleSoft CRM** system to meet **service level agreements**
- Provided first-level technical support for university community while developing foundational **IT support skills**

## EDUCATION

---

### B.S. in Network Technologies

2014

DePaul University

## CERTIFICATIONS

---

### Okta Certified Professional

January 2025

Okta

### CompTIA Network+

August 2018

CompTIA

### Cisco Certified Network Associate (CCNA)

May 2018

Cisco

### Apple Certified Technical Coordinator 10.10

February 2016

Apple

### Apple Certified Support Professional 10.11

February 2016

Apple

### Apple Certified Support Professional 10.10

February 2016

Apple

### Apple Certified Mac Technician

August 2015

Apple

### HDI Support Center Analyst

March 2013

HDI (Help Desk Institute)

## PRESENTATIONS

---

### [Deploying Jamf + Munki in a Lab Environment](#)

2024

Penn State MacAdmins Conference

Demonstrated practical deployment strategies for Mac management solutions to 200+ IT professionals, covering integration best practices and real-world implementation scenarios

## SKILLS

---

**Languages:** Bash/ZSH, Python, Cisco IOS, Powershell

**Operating Systems:** macOS, Linux, Windows Server

**Software:** Okta Workforce Identity Cloud, Meraki Systems Manager, ConnectWise, Jamf Pro, Munki, Ansible, VMware vCenter/ESXi, Cisco HyperFlex, Pure Storage, Palo Alto Firewalls, Graylog, AWS, Signalwire/Asterisk, Genetec Security Center, VMware Horizon (VDI)