Kyle Keilson

kylekeilson@gmail.com | Oswego, Illinois, US
https://www.keilson.org | https://github.com/kkeilson | https://www.linkedin.com/in/kkeilson/

EXPERIENCE

Ringling College of Art and Design, Enterprise Systems Engineer   January 2021 — current

- 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.
- Implemented **CI/CD standards** and utilized **Ansible** for end-to-end automation across macOS, VMware, and HyperFlex environments.
- Spearheaded **Identity and Access Management (IAM)** solutions using **Okta Workforce Identity Cloud**, developing **Okta Workflows** and contributing to complex SSO integrations.
- Enhanced organizational security posture by managing and troubleshooting **Palo Alto firewall** rules, administering the **Graylog** log management solution, and providing system hardening expertise.
- Expanded enterprise cloud presence to **AWS**, managing virtual environments and developing custom serverless functions using **AWS Lambda**.
- Administered a fleet of **3,000+ macOS devices** using **Jamf Pro** and **Munki**, implementing **Git version control** and automation via **Bash/Python** scripting.
- 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.

Chase, Software Engineer   April 2021 — December 2021

- Modernizing core deposits particularly to run multi-region in AWS EKS
- Provisioned infrastructure using Terraform

PNC, Senior Technology Engineer   March 2019 — April 2021

- Enabled declarative deployments for VMs and Containers
- Developed Kubernetes GitOps strategy to enable safe and secure deploys for developers
- Simplified app pipeline setup down to adding a webhook to democratize continuous integration and delivery

PNC, Technology Engineer   October 2017 — March 2019

- Architected and built new backend with Go microservices connected with gRPC and protocol buffers
- Redesigned IaaS platform to simplify concepts and APIs
- Led ReactJS site development to expose IaaS offering

Visa Inc., Software Engineer   June 2016 — October 2017

- Led Android team for white label highly configurable mobile banking app
- Explored POC integrating React Native into existing app
- Integrated Javascript Engine into app to share code across iOS, Android, and web
- Implemented network stack exposed to Javascript code in Android and iOS
- Manage 100s of features for different banks

Maverick Software Consulting, Software Engineer Intern   October 2014 — May 2016

- Worked with a remote team at Thomson Reuters to automate process of converting PDF court documents to XML using Java and the Spring framework
- Reduced conversion time from days to minutes
- Implemented client interface in HTML, Javascript and JSP

Visa Inc., Software Engineer Intern   May 2015 — August 2015

- Implemented fingerprint authentication for Android Visa Checkout SDK using Samsung Pass SDK
- Researched the FIDO UAF Protocol and implemented a RESTful FIDO Server using the Spring Framework

---

EDUCATION   **University of Wisconsin - Madison**   2012 — 2016
B.S. - Computer Engineering and Computer Sciences, GPA: 3.63

SKILLS   **Web Development:** ReactJS, HTML, CSS, Javascript

Mobile Apps: Android, iOS

Other Languages: Golang, Java, Python, C, C++