Anthony Klein

Senior Systems & Infrastructure Engineer | Cloud, IAM & Security Automation

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Summary

Senior infrastructure and IT operations engineer with 15+ years across cloud, systems, identity, networking, automation, and on-call operations. Experienced across Linux, macOS, and Windows, with hands-on work in observability, CI/CD, incident response, and SOX controls. Supported environments serving 2,000+ people, helped pass SOX audits with zero findings, and operate a 13+ node Proxmox lab for testing and documentation.

Professional Experience

Graid Technology Inc — Santa Clara, CA (Remote)
Senior Systems & Infrastructure Engineer (Testing & Validation Lead) — 04/2025 - Present

- Led Linux hardware and driver validation, turning kernel and performance data into findings that shaped the product roadmap and cleared release-blocking issues before customer shipment.
- Designed and operated a high-availability UniFi/VLAN network for 100+ people; maintained 100% uptime and used MDM automation to make 200+ devices Day 1 ready.
- Built the cloud security foundation with executive leadership, including IAM, RBAC, lifecycle governance, and onboarding controls that met investor due diligence needs and supported rapid headcount growth.
- Wrote clear validation reports, troubleshooting notes, and release-readiness documentation that turned kernel and driver findings into repeatable workflows for engineering and leadership, helping clear release-blocking issues before customer shipment.

Affirm Inc — San Francisco, CA (Remote)
Senior IT & Infrastructure Engineer — 08/2019 - 01/2025

- Led AWS cost analysis and optimization efforts that reduced spend while maintaining 100% availability.
- Led IAM and SSO across Okta and OneLogin, aligning security, legal, and HR controls and helping the company pass SOX audits with zero findings.
- Replaced manual provisioning and workflow steps with Python, Ansible, and Terraform across GitHub, Slack, and Atlassian; owned Jenkins and GitHub Actions CI/CD workflows to give engineers faster access and more repeatable delivery paths.
- Owned software contracts, vendor access, and lifecycle compliance for 2,000+ employees, preventing service interruptions and license gaps.
- Wrote and maintained operational runbooks, IAM/SSO procedures, onboarding guides, and audit documentation that gave IT, Security, HR, and Legal a reliable source of truth across a 2,000+ employee environment and supported SOX audits with zero findings.
- Handled on-call incident response for production services, coordinating triage, communications, remediation, and postmortems that turned recurring issues into documented operational improvements.

Location Labs by Avast — Emeryville, CA
Infrastructure Cloud Services Engineer — 10/2016 - 01/2019

- Moved Jira and Confluence from on-premises to AWS, retired the physical server footprint, and gave a 2,000+ engineering organization a more reliable platform.
- Managed GitHub Enterprise Server for 2,000+ engineers; automated weekly security patching with Ansible and kept developer access available through maintenance.
- Owned the MacBook and Linux device lifecycle with Jamf and LDAP Account Manager (LAM), from procurement through deployment, giving engineering hires ready devices and accounts on Day 1.
- Documented AWS migrations, GitHub Enterprise operations, Ansible patching, and Mac/Linux provisioning in repeatable runbooks that improved handoffs and helped support consistent access and Day 1 readiness across a 2,000+ engineer organization.

Skills

Infrastructure & Platforms

Proxmox VE / KVM, AWS Infrastructure, Linux (Debian / Ubuntu / Fedora), macOS, Windows Server, Docker & Containers, Virtualization & VMs, Systems Provisioning, Synology / NAS

IAM, Security & Compliance

Identity & Access Management (IAM), Okta / OneLogin, SSO / OIDC / SAML, RBAC & Identity Governance, LDAP / Active Directory, MFA & Endpoint Security, SOX Compliance, CrowdSec, Authentik, Cloudflare WAF / Tunnels, Zero Trust

Automation & Observability

Bash, Python (code comprehension and light scripting), Ansible, Terraform, GitOps, Jenkins CI/CD, GitHub Actions, Gitea Actions, Grafana & Metrics, Graylog / OpenSearch, Splunk, Uptime Kuma / Uptime Robot, Centralized Logging, Proactive Alerting, System Diagnostics

Networking

Firewalls (pfSense / Netgate / pfBlockerNG), UniFi Switches & APs, VLAN Segmentation, NAT & Port Forwarding, DHCP / DNS Administration, VPN Configuration, WireGuard

IT Operations & Tooling

GitHub Enterprise, Git / GitHub / Gitea, Jira & Confluence, Slack & Microsoft Teams, Jamf / MDM, IT Onboarding & Device Lifecycle, Vendor & License Management, Service Desk Workflows, Incident Response & On-Call, Postmortems, Nginx Proxy Manager, SSL / TLS Certificate Management, Technical Documentation / MkDocs, Email Administration (IMAP / SMTP / SPF / DKIM)

Homelab & Personal Projects

KDN Cloud - Personal R&D Lab — 2012 - Present

- Operate a 13+ node Proxmox VE lab spanning VMs, LXC containers, and Linux VPS environments as a working R&D platform for infrastructure automation, security, and observability.
- Manage the stack with GitOps and version-controlled Ansible/Terraform, using Docker, Grafana, Authentik SSO, WireGuard, Graylog, and CrowdSec so changes are repeatable and safe to validate before production.
- Built centralized logging, metrics, and automated threat detection/blocking for hands-off operations, reducing day-to-day intervention.

Relay Documentation Hub (MkDocs) — 2026 - Present

- Built and maintain a MkDocs/Material documentation hub that turns raw infrastructure configuration into searchable, version-controlled runbooks; use Gitea Actions to support development and automate documentation builds and publishing for consistent knowledge transfer.

Lounge24 Radio — 2025 - Present

- Operate a 24/7 public internet radio service with AzuraCast and Docker; use Cloudflare Tunnel to keep it securely exposed while practicing real uptime, access, and container operations.

AK // SYS LOG — 2016 - Present

- Publish practical notes and repeatable runbooks on systems administration, networking, Proxmox, self-hosting, automation, and security, turning live homelab and production experience into reusable guidance.

Education

Sacramento City College — Coursework
Computer Information Systems, Linux focus — Sacramento, CA • 2008-2009

Certifications

GitHub Foundations & Administration — 2-22-2024
Pearson VUE