Andrew Perlas

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SKILLS

System Administration Active Directory | Group Policy | Windows Server | Powershell | Microsoft SQL

Cloud Azure | Google Cloud Platform (GCP) | Microsoft 365 | Google Workspace | Cloudflare

DevOps Linux | Git | Python | Docker | Github Actions | Terraform | Prometheus | Grafana

Virtualization VMware | HyperV | Citrix VDA | Azure Virtual Desktop

Networking Dell Sonicwall | Cisco Meraki | Ubiquiti UniFi | DNS | DHCP | VPN | VLAN | VoIP

Security IAM | ACL | WAF | HBSS | ACAS | STIGs | PKI | Patch Management | Splunk

PROFESSIONAL EXPERIENCE

KOMODO Hawaii Honolulu, HI

IT Engineer/Systems Administrator

Jan 2024 – Present

- Collaborate with software developers and UX/UI designers on infrastructure and security solutions for KOMODO's digital manga platform
 - Deploy cloud resources (GCP Cloud Run, Cloudflare Workers) for application services, integrate IAM role-based access controls, build monitoring and alerting queries using GCP and Prometheus/Grafana
- Establish standards for IT operations and tooling in business areas such as end device management, procurement, documentation, onboarding, and security best practices
- Optimize the web server resource allocation and scaling of our Steam Deck e-commerce site, reducing company hosting costs by 65% while maintaining a seamless shopping experience for our customers
- Migrate custom web apps hosted by various external partners to internally managed cloud systems

Client Solution Architects

Pearl Harbor Naval Shipyard, HI

System Administrator (Top Secret Clearance)

Sep 2022 - Jan 2024

- Performed application updates, vulnerability remediations from STIGs and ACAS scans, and patching on VMware master images that would be pushed to Citrix Virtual Desktop/Apps farm
- Planned and executed the cutover of a legacy Citrix Xenapp 7.15 farm to Citrix 2203, coordinating with application, networking, and HBSS teams to ensure connectivity once in production
- Transitioned Windows domain services, such as DHCP and WSUS, from end-of-life Windows Server 2012 R2 servers to updated Windows Server 2019/2022 virtual machines

TechMD Remote

Professional Services Consultant

Jan 2015 – June 2022

- Designed, managed, and implemented project deliverables that modernized the IT infrastructure of our MSP clients, leveraged technology to increase end-user productivity, and added value to business operations
 - o Project examples: On-premises server migrations to cloud solutions, configuration of Azure and Citrix virtual desktop environments, and deployment of network firewalls/switches/access points
- Developed Powershell scripts to automate frequent project deliverables, such as migrating user workstations/accounts from an on-prem Active Directory domain to AzureAD
- Provided senior level escalation and coaching for our service team

PERSONAL PROJECTS

Cloud Resume Challenge

Oct 2023 - Present

Hands-on project for leveling up cloud and DevOps skills https://cloudresumechallenge.dev/docs/the-challenge/googlecloud

- Created static website using HTML and CSS
- Provisioned GCP infrastructure for the website using Terraform
- Configured DNS for custom domain name directed to GCP load balancer with static storage bucket backend
 - o https://resume.andrewperlas.com
- Maintained version control on Github repo
 - o https://github.com/andrewperlas/gcp-resume
- Applied CI/CD automation via Github Actions

Homelab 2021 - Present

Personal setup of servers and networking equipment for learning and experimenting with IT technologies

- Configured Unifi networking equipment (gateway, PoE switch, and access points)
 - o VLANs created to segregate separate networks for guests, smarthome devices, and management
- Deployed Cloudflare Tunnels for secure and encrypted external access to hosted applications and services
- Installed and maintain Ubuntu Server on Intel NUC for hosting Docker containers running web applications and services (dashboards, Unifi controller, home automation, wiki)
 - Cron job scheduled to backup Docker Compose configuration and persistent storage files to Backblaze bucket
- Repurposed old PC as a NAS running unRAID for RAID5 local file storage and to run virtual machines

CERTIFICATIONS

CompTIA Security+ ce

July 2022

EDUCATION

California State University San Marcos

San Marcos, CA

Bachelor of Science in Business Administration Concentration: Management Information Systems Aug 2010 – Dec 2014