

Andrew Perlas

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SKILLS

System Administration	Active Directory Group Policy Windows Server 2008 – 2022 Linux Git Powershell Python Docker Github Actions Terraform MS SQL
Cloud	GCP Azure Microsoft 365 Google Workspace Exchange Online Cloudflare
Virtualization	VMware HyperV Citrix VDA Azure Virtual Desktop
Networking	Dell Sonicwall Cisco Meraki DNS DHCP NAT Proxy VLAN PRTG VOIP
Security	IAM ACL WAF HBSS ACAS STIGs PKI Patch Management

PROFESSIONAL EXPERIENCE

KOMODO Hawaii

IT Engineer/Systems Administrator

Honolulu, HI

Jan 2024 – Present

- Migrate production web applications hosted on AWS by external partner to internally managed **GCP**, **Cloudflare**, **Docker**, and **Github** infrastructure
- Collaborate with software devs to increase security of product development through implementation of **IAM** role-based access controls and password/secret management
- Strengthen baseline security of the organization through application of **CIS framework** guidelines, specifically applying controls for inventory, data protection, account management, and access control
- Optimize server resource allocation for an over-provisioned ecommerce web server, cutting monthly hosting costs by 65%
- Manage **vendor relationships** for technology solutions and equipment

Client Solution Architects

System Administrator (Top Secret Clearance)

Pearl Harbor Naval Shipyard, HI

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
- Migrated 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

Professional Services Consultant

Remote

Jan 2015 – June 2022

- Converted clients' on-prem services to cloud solutions such as: on-prem application servers to **Azure virtual machines**, Exchange servers to **Exchange Online**, file servers to **Sharepoint**, and phones to **MS Teams**
- Configured virtual desktop environments through Azure and Citrix for CPA clients to optimize accounting software distribution and updates
- Developed **Powershell** scripts to automate a frequent project deliverable of migrating user workstations and accounts from an on-prem **Active Directory** domain to **AzureAD**, reducing a 20-minute manual task to 5 minutes and completing projects with this deliverable well under budget

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
 - <https://resume.andrewperlas.com>
- Maintained version control on Github repo
 - <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)
 - 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

Bachelor of Science in Business Administration

Concentration: Management Information Systems

San Marcos, CA

Aug 2010 – Dec 2014