

Andrew Perlas

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SKILLS

- GCP (IAM, Load Balancer, Cloud Armor, Cloud Run, SQL, Secrets Manager) | Cloudflare (DNS, WAF, Zero Trust)
- Azure (Active Directory, Virtual Desktop) | Google Workspace | Linux | Git | Docker | GitHub Actions | Terraform
- Powershell | Python | Windows Server | Group Policy | Microsoft 365 | Exchange | Citrix VDA | VMware | STIGs

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 security of various company systems through **Slack** and **Google Workspace** 2FA enforcement, converting **Linux** ssh auth from passwords to keys, and building **web application firewall** rules
- 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 monthly patching, **Nessus ACAS** vulnerability remediations, and application updates on **VMware** images to pushing out to **Citrix VDA** farm through Machine Creation Services
- Planned and executed the cutover of the Shipyard's Citrix Xenapp 7.15 farm to Citrix 2203, requiring coordination with networking and **HBSS** teams to ensure production traffic will be properly routed
- Migrated Windows domain services, such as **DHCP** and **WSUS**, from legacy 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-premises services to cloud solutions, for example: migrated physical Windows servers to **Azure** virtual machines or converted locally hosted software to a SaaS product
- Configured virtual desktop environments through Azure and Citrix for CPA clients to optimize accounting software installs and updates
- Transitioned Google Workspace clients using Gmail and Drive to **Microsoft 365 Exchange** and **Sharepoint**
- Automated a frequent project deliverable of migrating user workstations and accounts from an on-premises **Active Directory** domain to **AzureAD** using **Powershell**, reducing a 20-minute manual task to 5 minutes and completing projects with this deliverable well under budget

PERSONAL PROJECTS

Cloud Resume Challenge

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

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
- Installed and maintain Ubuntu Server on Intel NUC for hosting Docker containers running web applications and services (dashboards, Unifi controller, home automation)
- Deployed Cloudflare Tunnels for secure and encrypted external access to hosted applications and services
- Repurposed old PC as a NAS running unRAID for RAID5 file storage and to run local 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