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   **Honolulu, HI**
IT Engineer/Systems Administrator   *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 **WAF** 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   **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
- 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   **Remote**
Professional Services Consultant   *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   **San Marcos, CA**
Bachelor of Science in Business Administration   *Aug 2010 – Dec 2014*
Concentration: Management Information Systems