Brandon Hang

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WORK EXPERIENCE

Systems Administrator

Jul 2022 - Present

California State University, Fresno

- Oversaw on-campus identity information systems customizing directory services such as LDAP, Windows Active Directory, and Google Apps using SSH command line and GUI interface to meet the 20,000+ student and staff needs.
- Deployed enterprise-grade servers in 3 main distribution frames, incorporating VMware technology, networking, and storage servers to enhance system performance and capacity.
- Optimized incoming ticket operations by leveraging scripting and automation techniques, resulting in a 40% reduction in time and resources allocated to manual processes, improving efficiency and productivity.
- Enhanced security measures by patching 150+ Windows and Linux machines hosted on campus and AWS using Microsoft SCCM and AWS Systems Manager, resulting in a 90% increase in overall system security.
- Implemented CI/CD pipelines to evaluate the reliability and integrity of AWS infrastructure cloud formation templates, ensuring seamless deployment and minimizing potential errors or issues.

Field Operation Technician

May 2021 - Jul 2022

California State University, Fresno

- Configured server-side equipment such as network switches, UPS systems, firewalls, patch panels, and fabricated Cat 6 cables across multiple independent distribution frames throughout the campus, ensuring optimal network performance.
- Provided network access for 100+ on-campus devices, adhering to the campus network connection policy by activating or deactivating a data port and implementing VLAN changes.
- Resolved complex networking issues, utilizing network monitoring tools and collaboration with network engineers, resulting
 in improved device communication, minimized downtime, and increased user satisfaction.

PROJECTS

AWS Serverless CI/CD Portfolio

- Built a secure static portfolio website hosted on Amazon S3, by utilizing SSL certificates, HTML, CSS, and JavaScript for front-end development, providing a minimal user experience.
- Exploited technologies such as Amazon DynamoDB, Lambda functions, API Gateway, Terraform, and CI/CD pipelines to
 enable seamless deployment and continuous integration of the website.

Three-tier WordPress Web Application

- Designed a scalable and highly available WordPress web application on AWS by configuring VPC, EC2 instances, NAT Gateways, RDS databases, Load Balancers, Route 53 DNS, Auto Scaling group, certificate manager, and EFS.
- Leveraged AWS CloudFormation to automate the provisioning and de-provisioning of AWS resources, streamlining the infrastructure deployment process, improving consistency, and reducing deployment time.

Esports Computer Administrator

- Volunteered to manage 12 gaming systems for the university eSports program by using system imaging processes, reducing setup time for new gaming systems by 30%.
- Automated driver updates by orchestrating updates using Ansible and Powershell scripts, ensuring the timely installation of up-to-date graphics drivers and system updates across the systems.

EDUCATION

$\textbf{Bachelor of Science - Information Engineering Technology} \ (GPA\ 3.75/4.0)$

May 2023

California State University, Fresno

ADDITIONAL

Technical Skills: Linux, Unix, Windows, VMWare ESXI, Networking, Security, Storage solutions, Python, Bash/Shell Scripting, HTML/CSS, SQL, CI/CD Pipeline, AWS, Git, Ansible, Cloudformation, Terraform

Certifications: AWS Solutions Architect Associate, AWS Cloud Practitioner