Brandon Hang

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EDUCATION

California State University, Fresno   May 2023
BS - Information Engineering Technology (3.75 GPA)   Fresno, CA
- *Organizations/Awards: Magna Cum Laude (High Honors)*

EXPERIENCE

Systems Administrator   Jul 2022 – present
California State University, Fresno   Fresno, CA
- Met the continuous student and staff needs by customizing and upgrading operating/related systems with directory services such as LDAP, Windows Active Directory, and Google Apps in a command line via SSH and GUI interface.
- Upgraded and installed enterprise-grade servers in multiple main distribution frames, incorporating VMware technology, networking, and storage servers.
- Leveraged scripting and automation techniques to streamline operations, resulting in a 20% reduction in time and resources allocated to manual processes.
- Tested system backups with restoration technologies such as Spectrum Protect and ensured that they are stored in either on-premise or cloud storage solutions.
- Maintained distributed web servers on the AWS cloud platform and conducted tests of resources before implementing them into the production environment.
- Developed and implemented CI/CD pipelines to determine the reliability and integrity of the AWS infrastructures cloud formation templates

Field Operation Technician   May 2021 – Jul 2022
California State University, Fresno   Fresno, CA
- Installed server-side equipment such as network switches, UPS systems, firewalls, patch panels, and fabricated Cat 6 cables across the many independent distribution frames throughout the campus.
- Provided network access for 100+ devices such as computers, monitors, IP phones, wireless access points, teaching stations, projectors, fire alarms, and security devices.
- Contributed to the resolution of complex network issues, resulting in improved system performance and increased user satisfaction.
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PROJECTS

Cloud Resumé Challenge
- Created a secure static portfolio website hosted on Amazon S3, by utilizing SSL certificates, HTML, CSS, and JavaScript for front-end development, providing a minimal and interactive user experience.
- Improved content delivery by deploying to CloudFront's edge locations and global network to reduce latency and improve responsiveness for users worldwide.
- 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.

AWS Three-tier Web Application
- Deployed and hosted a highly available WordPress application utilizing Amazon EC2, RDS, Route 53, and VPC.
- Followed secure networking measures by utilizing public and private subnets and effectively routing the necessary traffic to ensure optimal functionality.

Home Lab
- Utilized Proxmox hypervisor to manage and operate Windows/Linux virtual machines, and Docker containers.
- Managed TrueNAS as a network-attached storage solution and pfSense as a reliable network firewall/router, ensuring protocol security and efficient networking architecture.

ADDITIONAL INFORMATION

Technical Skills (Operating Systems, Linux, Windows, VMWare ESXI, Amazon Web Service (AWS), Networking, Security, Storage solutions, Python, Bash Scripting, C++, SQL, HTML/CSS, JSON, YAML, Apache, Nginx)

Certification and Training: (AWS Cloud Practitioner, AWS Solutions Architect Associate)

Volunteering (Administrated 12 gaming systems for the university esports program to improve performance and security. Provided desktop services to hospitals and health centers by installing computer systems and VoIP phones.)