Jeffrey C Hui

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Professional Experience –

Stanford University | Cloud System Administrator   11/2019 - Present

- Provide consultations to clients to discuss cloud options in AWS/Azure/GCP. Work with internal Stanford development teams in various departments to understand technical requirements for infrastructure buildout of various application software stacks.
- Create architectural design documents, cost estimates and roadmaps to provision infrastructure with Terraform to achieve documentation as code while automating processes where applicable.
- Find cost-saving opportunities (e.g., use of RIs, Savings Plan, virtual machine generational change, right-sizing instances). Creating client-facing dashboards outlining utilization and cloud spend. Perform benefit analysis of amortizing the RI purchase across the year.
- Analysis of client data types to select vendor and storage classes that fit their needs while applying lifecycle policies for both cloud native and hybrid cloud storage solutions (e.g., Wasabi, AWS Storage Gateway).
- Creating and configuring new accounts; reviewing existing accounts for optimization and security. Implemented minimum level security to AWS accounts through AWS technologies.
- Patch, secure, monitor, build, install, configure, analyze, tune, and troubleshoot operating systems and analyze resource usage to recommend/develop enhancements to systems to achieve optimum performance levels.
- Configure and troubleshoot SAML for SaaS products (e.g., Wasabi, Code42, and Internal Stanford Applications).
- Manage campus endpoint backup service for the entire university and train personnel who provide support and consulting services to users.
- Document systems infrastructure for users and developers and management of team's SaaS products.

UCSF Mission Center Building | Enterprise IT Cloud Analyst Intern   01/2019 - 09/2019

- Deployed a centralized logging system in AWS using Terraform.
- Implemented state locking using DynamoDB and S3 remote state backend for Terraform state files.
- Managed Drupal websites for a variety of UCSF websites.
- Handled AWS billing with Cost and Usage Report data held within S3.

UCSF Parnassus Campus | IT Field Service Intern   10/2018 - 12/2018

- Assist IT field service technicians with computer deployments, shadowing on break-fix tickets in the field, and using IT Service Management software to document the delivery of IT services to our customers.

Technologies and Skills –

- Cloud: AWS
- Programming Languages: Python, Bash Scripting
- Containers: Kubernetes, Docker
- Configuration Management Tool: Puppet
- Infrastructure as Code: Terraform
- Package Manager: Helm
- CI/CD: GitLab Runner, Jenkins, ArgoCD
- Version Control Applications: GitHub, GitLab

Certifications –

- AWS Certified Cloud Practitioner (CLF) - https://www.credly.com/badges/20c5ac3d-4926-4739-bb19-0a317f620b25
  Validation Number 41W1MJZC2M1Q1NS5
- AWS Certified Solutions Architect (SAA-C01) - https://www.credly.com/badges/1f0da885-2f09-4f4b-ae43-73d854709a34
  Validation Number J2VK49LKDBFE15GW

Education –

- University of California, Santa Cruz, B.S. Computer Science: Computer Game Design   06/2018