Jeffrey C Hui

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Professional Experience –

Stanford University | Cloud System Administrator   11/2019 - Present

- Client engagement to discuss cloud options. Finding 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.
- 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 (CloudTrail, Config, CloudWatch, VPC Flow Logs, and S3).
- Deployed IAM Roles, Policies, and Groups in accordance with the HIPAA QuickStart using Terraform.
- Implemented State Locking using DynamoDB and S3 Remote Backend for Terraform state files.
- Handled AWS Billing with Cost and Usage Report data held within S3 and managed Drupal websites.

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, Shell Scripting
- Containers: Kubernetes, Docker
- Configuration Management Tool: Puppet
- Infrastructure as Code: Terraform
- CI/CD: GitHub Actions
- Version Control: Git

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   06/2018

- B.S. Computer Science: Computer Game Design