Jeffrey C Hui

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Professional Experience –

Stanford University | Hosting Services Operations Engineer | Cloud & Data Center Group   02/2025 - Present

- Administered thousands of AWS, Azure, and GCP accounts and policies, collaborating with InfoSec and Cloud TAMs to handle account requests for researchers, PIs, faculty, and staff.
- Advanced Stanford's campus-wide Cloud FinOps program—educating stakeholders across seven schools and optimizing costs through VM/storage rightsizing, Reserved Instance/Savings Plan procurement, anomaly detection, managing budgets, and forecasting.
- Allocated and managed research cloud credits for PIs and faculty via Burwood for AWS/GCP accounts.
- Worked with the Property Management Office, Technical Facilities Team, and Data Center Technicians to deliver and install hundreds of on-prem storage, compute, and network equipment across 13 different Data Centers.
- Supported end-to-end on-prem compute and storage infrastructure (Cisco UCS B/C-Series, Fabric Interconnects, Pure Storage, VMware vSphere) for mission-critical healthcare workloads.

Stanford University | Cloud Operations Analyst, FinOps | Technology Consulting Group   11/2019 - 02/2025

- Provided AWS consultations and collaborated with Stanford teams to define and document infrastructure requirements, resulting in aligned and effective architectural planning for various applications.
- Engineered an immutable deployment solution using Elastic Beanstalk, integrating CI/CD practices and decoupling.
- Implemented cost-saving measures, including RIs, SPs, CUDs, VM family updates, instance right-sizing, disks, etc.
- Created client-facing dashboards for utilization and cloud spend; analyzed the benefits of amortizing RI purchases.
- Created cost estimates and set budget alarms for cloud deployments, preventing overruns.
- Evaluated client data to select vendors and storage classes; applied lifecycle rules for cloud-native solutions, resulting in efficient data management and cost-effective solutions.
- Created and configured hundreds of hardened AWS accounts using SCPs via AWS Organizations.
- Streamlined multi-account access via switch roles, resulting in enhanced security and efficiency in Cloud Ops.
- Remediated security-related incidents for multi-cloud accounts via GuardDuty and Wiz findings.
- Performed package upgrades and monthly security updates using automation for Linux and Windows VMs.
- Configured and resolved technical SAML issues for various SaaS integrations with the Stanford SP database.
- Managed university-wide endpoint backup service with ~20,000 users and trained support personnel.
- Document system infrastructure and management of the team's SaaS products via runbooks.

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

- Deploy a centralized logging system in AWS using Terraform.
- Managed Drupal websites for a variety of UCSF websites.
- Handled AWS billing and purchased Reserved Instances / Savings Plans for the CCoE group within central IT.

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 –

- FinOps & Cost Tools: Cloudability, CloudCheckr, AWS Cost Explorer, Azure Cost Management, GCP Billing, Excel
- SaaS & Ops Tools: 1Password, Airtable, BigFix, Burwood, Confluence, CrashPlan, GitHub, GitLab, HubSpot, Jira, OpsGenie, Qualys, ServiceNow, Slab, Slack, Splunk, StruxureWare, Vault, Wasabi, Wiz, Site24x7

Certifications –

- FinOps Certified Practitioner   Jul '24
- FinOps Certified Engineer   Aug '24
- FinOps Certified FOCUS Analyst   Aug '24
- AWS Certified Solutions Architect (SAA-C01)   Mar '19
- Microsoft Certified: Azure Fundamentals   Aug '24
- Google Cloud Digital Leader   Aug '24
- AWS Certified Cloud Practitioner (CLF)   Dec '18

Education –

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