Jeffrey C Hui

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Professional Experience –

Stanford University | Cloud Operations Engineer, Hosting Services Group   02/2025 - Present

- Led the Cloud Account Management initiative at Stanford and supported the configuration, deployment, and management of thousands of cloud accounts, policies, and settings across AWS, Azure, & GCP. Partnered with the Information Security Office and Cloud TAMs to support the day-to-day cloud account management tickets from researchers, students, PIs, faculty, and staff.
- Led the FinOps initiative at Stanford, collaborating with all seven schools across campus to drive awareness and adoption of FinOps principles. Educated stakeholders and implemented cost optimization strategies through the FinOps phases: Inform, Optimize, and Operate. Spearheaded rightsizing of VMs and storage, strategically purchased Reserved Instances, and conducted anomaly detection across cloud accounts using native cloud tools.
- Manage cloud credits for cloud accounts using tools like Burwood for researchers and PIs who receive funding for research-related work in the cloud.
- 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.
- Provide infrastructure support for hundreds of Cisco UCS servers, Fabric Interconnects, Pure Storage, and VMware in mission-critical on-prem hospital systems for Stanford Children's Hospital and Lucile Packard Children's Hospital.

Stanford University | Cloud Operations FinOps Analyst, 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 systems 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 –

- Data Visualization & FinOps Tools: QuickSight

- Programming Languages: Python
- Automation Tools: Terraform
- SaaS: CloudCheckr, Cloudability, Site24x7, Wiz, Wasabi, CrashPlan (Code42), Qualys, OpsGenie, ServiceNow, Jira, Confluence, Vault, BigFix, Slack, HubSpot, Slab, Airtable, 1Password, GitLab, GitHub, Splunk, StruxureWare, Burwood

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