

Jeffrey C Hui

Cloud FinOps Analyst

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Professional Experience –

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

- Drove Stanford's campus-wide Cloud FinOps initiative: optimized cloud spend via VM/storage rightsizing, strategic RI/SP purchases, anomaly detection for critical business units, & automated budget thresholds at account creation.
- Launched AWS Cloud Intelligence Dashboard (CID) and CUDOS for cost visibility and insights.
- Utilized AWS Athena to query CUR data using SQL to discover cloud waste across our entire AWS tenant.
- Allocated and managed \$3M research cloud credits for PIs and faculty through Burwood Group for GCP projects.
- Managed cloud account operations across Stanford, administering hundreds of AWS, Azure, and GCP accounts and policies. Partnered with InfoSec to approve and maintain high-risk data/PHI accounts, ensuring compliance with HIPAA-approved services and minimum security standards.

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

- Consulted, architected, deployed, and maintained custom cloud solutions for various university groups using AWS.
- 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 over 20,000 users and trained support personnel.

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

- Handled AWS billing, updated Drupal websites, & purchased Reserved Instances for the central IT group.

Technologies and Skills –

- Cloud FinOps: SQL, Quadratic AI, CloudCheckr, AWS Cost Explorer, Azure Cost Management, GCP Billing, Terraform
- Technologies & Tools: 1Password, Airtable, BigFix, Burwood, Confluence, CrashPlan, GitHub Actions CI/CD, GitLab, HubSpot, Jira, OpsGenie, Qualys, ServiceNow, Slab, Slack, Splunk, StruxureWare, Vault, Wasabi, Wiz, Site24x7

Certifications –

- FinOps Certified Practitioner, FinOps Certified Engineer, FinOps Certified FOCUS Analyst (2024)
- AWS Certified Solutions Architect (SAA-C01, 2019), AWS Certified Cloud Practitioner (CLF, 2018)
- Microsoft Azure Fundamentals (2024), Google Cloud Digital Leader (2024)

Education –

University of California, Santa Cruz, B.S. Computer Science: Computer Game Design 06/2014 - 06/2018