

Jeffrey C Hui

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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.
- 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.
- Supported infrastructure operations, working with cross-functional teams to deliver compute/storage at scale.

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.

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 –

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| - 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 –

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