

# Jeffrey Jing

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## EDUCATION & CERTIFICATIONS

**University of Washington**  
**Certified Kubernetes Administrator**

Seattle, WA | June 2020  
Linux Foundation | Feb 2025

## WORK EXPERIENCE

**CASTLE HILL GAMING** | DEVOPS ENGINEER

Charlottesville, VA | 2023-2024

- **Automated QA Repository Management**- Built a centralized QA test repo with Flask to host webhooks and a queryable endpoint, eliminating manual syncs and improving test selection for builds.
- **The Docker Initiative**- Led containerization of internal tools and test environments using Docker Compose and GitLab Container Registry, improving deployment consistency and CI/CD speed.
- **Grafana & Prometheus**- Configured monitoring stack for AWS EC2 with real-time metrics scraping & dashboards.
- **Microsoft Teams Notifications Bot**- Created a Teams bot using Microsoft Graph API for real-time build and Git alerts in Teams chats and channels.
- **Lab Checkout Form**- Developed a web-based system via JavaScript and Flask to manage EGM hardware reservations and live lab status.
- **Cloud Infrastructure Optimization**- Led cost-cutting initiative, reducing Dropbox and AWS spending by over 60%.
- **HMA Data Pipeline**- Built a pipeline processing 1TB/day and cut 20TB of redundant data to improve efficiency.
- **TeamCity CI/CD Pipeline Management**- Maintained pipelines, handled GitHub to GitLab migration, and ensured build agents on EC2 worked smoothly.
- **QA Test Form**- Developed a web form with Jira logging for developers to submit QA issues, hosted on Apache2.

**ETHFINITY STUDIOS** | SOFTWARE, DEVOPS ENGINEER

Seattle, WA | 2021-2023

- Designed and implemented a suite of Solidity smart contracts (ERC721, 721B, & 1155) for diverse NFT projects. Spearheaded the development and AWS-based hosting of sales platforms, contributing to client projects such as Metapengus, Deck of Degeneracy, and others on the Ethereum blockchain, achieving total sales of over \$2 million.

## PROJECTS

**jeffjing.dev** | React, TailwindCSS, Terraform, AWS

- Built jeffjing.dev, a Terraform-managed site on AWS (Amplify, Route 53, S3, ACM) with CI/CD, HTTPS redirects, and Lambda + API Gateway for dynamic recruiter features. Overcame real-world IaC challenges in multi-env setup module reuse.

**DevOps & Infrastructure for PokerNOWAI** | EKS, Terraform, Istio

- Modularized a monolithic app into Dockerized microservices, deployed to AWS EKS using Terraform. Integrated Istio for mTLS, traffic routing, and observability. Built secure, production-grade infrastructure with CI/CD and cloud-native DevSecOps practices.

**Infrastructure-as-Code with Terraform** | EKS with RDS, Terraform

- Provisioned prod/dev environments with modular Terraform for EKS + RDS, enabling VPC-connected workloads. Used S3 for remote state and real-world IaC practices.

**Minikube Dashboard** | Flask & K8s

- Built a Flask dashboard using the Kubernetes API to display active Minikube components; frontend hosted via GitHub Pages.

## SKILLS

**DevOps:** Kubernetes, Helm, Terraform, Kustomize, Grafana, Prometheus, Docker, Github Actions, Terraform

**Languages:** Java, Solidity, C++, Python

**Technologies:** Remix, Git, Jira, Grafana, Flask, Apache2, TeamCity, AWS: Amplify, EC2, S3, Lambda