

# Joshua Ho

## Application for Junior SRE / DevOps Engineer

### Contact

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Hiring Team  
Northstar CloudWorks  
Northstar CloudWorks  
Chicago, Illinois, USA

Dear Hiring Team,

I am applying for the Junior SRE / DevOps Engineer position at Northstar CloudWorks. I recently completed a Bachelor of Science in Computer Science at Illinois Institute of Technology and have built practical experience with AWS, Terraform, Linux, Docker, Kubernetes, GitHub Actions, Jenkins, Prometheus, and Grafana. The role's focus on dependable deployments, clear troubleshooting, and close work with development and QA teams matches the way I have approached my academic projects.

In a cloud operations lab, I used Terraform to provision a repeatable three-tier AWS environment and built GitHub Actions workflows that linted and tested Python services, created Docker images, and deployed them to a Kubernetes namespace. I also wrote Bash and Python utilities for log collection and failed-deployment checks. During simulated outages, I traced problems from Linux processes through container logs and Kubernetes events to database connections, then documented the diagnosis and rollback steps so others could follow the same process.

My research and capstone work gave me additional practice with reliability testing and release workflows. I evaluated Docker and Kubernetes workloads on a five-node Linux cluster, used Prometheus and Grafana to examine restarts, latency, and resource saturation, and maintained experiment code through Git branches, pull requests, and peer review. For a student service portal, I built Dockerfiles, Kubernetes manifests, a Jenkins pipeline, and basic monitoring panels. I would bring that hands-on foundation, along with AWS Certified Cloud Practitioner and HashiCorp Certified: Terraform Associate credentials, to Northstar CloudWorks while continuing to grow as a cloud and site reliability engineer.

I would welcome the opportunity to discuss how I could contribute to your cloud operations and platform engineering work. Thank you for your consideration.

Sincerely,

Joshua Ho

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