

Yoonmee Hwang

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EDUCATION

Carnegie Mellon University

Pittsburgh, PA

Master of Software Engineering, School of Computer Science (GPA: 3.95/4.0)

Dec. 2026

Relevant Coursework: Computer Systems, Software Architectures, Distributed Systems, Machine Learning in Production

Kyung Hee University

Gyeonggi, South Korea

Bachelor of Engineering in Computer Engineering (GPA: 3.73/4.3)

Aug. 2020

EXPERIENCE

NHN Cloud Corp

Jul. 2020 - Jul. 2025

DevOps Engineer, Site Reliability Engineer

Gyeonggi, South Korea

- Built and operated 16 Kubernetes clusters spanning 130+ nodes and 4,000+ pods across public, air-gapped government, and DR environments, with CI/CD pipelines serving 30+ internal PaaS teams using ArgoCD, Jenkins, Keycloak, and Harbor
- Reduced deployment time by over 83% by redesigning GitOps delivery with ArgoCD's App of Apps pattern and ApplicationSet
- Migrated 10 legacy products to Kubernetes across 6 regions with zero production incidents, leading containerization, Helm chart standardization, and automated certificate management
- Owned production operations for the 10 migrated products on Kubernetes and 39 company-wide API gateway servers on CentOS Linux, leading deployments, upgrades, and 24/7 on-call incident response
- Increased Loki log ingestion throughput by 52% and cut write failures by 74% by benchmarking with k6 load tests and tuning chunk encoding and ingestion rate limits
- Standardized cross-region disaster recovery across services by configuring GSLB-based failover and auto-scaling, and cut manual maintenance toil by automating node operations with Ansible playbooks
- Automated disk-pressure cleanup across 10 cluster environments using threshold-based shell scripts rolled out via Ansible with audit logging and alerting, eliminating recurring manual intervention
- Led a certificate automation PoC with DigiCert's US headquarters, cutting costs 20% and earning 2023 Employee of the Year

NHN Corp

Jan. 2020 - Jun. 2020

Cloud Engineering Student Intern

Gyeonggi, South Korea

- Designed HA infrastructure on TOAST Cloud, removing single points of failure via Tomcat clustering and MySQL replication
- Configured CI/CD and monitoring, and authored user guides supporting customer adoption of the Notification PaaS API

Naver Corp

Jul. 2019 - Aug. 2019

Software Engineering Student Intern

Gyeonggi, South Korea

- Refactored Naver Shopping Admin pages from legacy JSP stack to React, Node.js, GraphQL, and TypeScript
- Improved page load performance by introducing Apollo Client caching to eliminate redundant API calls, and improved maintainability by restructuring shared UI into reusable React components

PROJECT

Financial Integration Service (Troutwood) - MSE Studio Project, Carnegie Mellon University

Jan. 2026 - Present

- Built the end-to-end delivery platform for a serverless AWS monorepo, authoring 14 of 17 GitHub Actions CI/CD workflows, the foundational AWS CDK stacks in Python, and LocalStack-based integration tests run on every pull request
- Built the architecture-decision-record skills and context-management standard within the team's 24-skill AI agent engineering framework on Claude Code and Codex, defining how agents record decisions and load project context

SKILLS AND CERTIFICATIONS

Languages: Python, Shell Script, C++, JavaScript

Cloud & Infrastructure Tools: Linux, Kubernetes, Docker, AWS (EC2, S3, Lambda, CDK, CloudFormation), Helm, GitHub Actions, ArgoCD, Jenkins, Ansible, Prometheus, Grafana, Loki, Jaeger

Certifications: Certified Kubernetes Application Developer (CKAD), Certified Kubernetes Administrator (CKA, 2022-2025)