

# DOHWEE (LEO) KIM

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## Summary

• Senior Software Engineer specializing in ML Infra and Data ETL pipelines with a 7+ years track record. I have a proven history of not only building high-performance distributed systems but also of successfully leading and cross team working the productionization of ML training / prediction models.

## Work Experience

**AthenaHealth** | Boston, MA

APR 2025 – CURRENT

### Senior MLOps Engineer

- Engineered an automated cost-optimization system for cloud resources; developed a service to monitor Docker image registries, track metadata, and archive unused images to AWS S3 Glacier, resulting in an estimated 7% reduction in cloud storage costs.
- Built a LiteLLM based gateway to unify and manage access to diverse Gen AI models (OpenAI, Azure, AWS Bedrock), significantly increasing the data science team's flexibility in model selection and monitoring usage and budget.
- Collaborated with Data Science teams to automate the feature engineering pipeline. This allowed model developers to easily access standardized feature sets without pre-processing, shortening the model development cycle by 30%.

**Oracle** | Austin, TX (Remote)

Sep 2022 – APR 2025

### Software Engineer III

- Built a high-throughput data pipeline (stream & batch) from scratch; designed ETL flows, message queues, caching, and DB ingestion. Deployed at scale for 1M+ daily hospitality events at 99.9% uptime, powering multiple data-driven apps.
- Partnered with data science teams to build a real-time hospitality upsell recommendation service, creating API endpoints to integrate recommendation model outputs and caching for low-latency retrieval. Updated batch-based model updates with near real-time ingestion, boosting CTR by 8% and conversions by 3.5%.
- Integrated Oracle Cloud SSO & IAM (JWT, OAuth2, OIDC) into multiple legacy login systems, enabling automatic user migration, mapping, and data sync with legacy databases. Successfully launched for pilot customers, doubling onboarding efficiency and paving the way for broader adoption.

**Tracelink** | Wilmington, MA

Nov 2018 – Sep 2022

### Software Engineer in Test II

- Built and deployed a sandbox environment with Terraform(IaC), Docker, Kubernetes, and mock applications to simulate the pharmaceutical supply chain transaction and ensure data compliance. Increased test and deploy speed, and surpassed 90% end to end test coverage.
- Transitioned from QA to a Dev role, developing backend microservices and its migration that handle supply chain transactions on AWS-based infrastructure (EC2, SQS, S3 storage, and SNS).

**Synopsys** | Burlington MA

Jan 2016 – Oct 2018

### Software QA Engineer II

- Engineered and maintained an automated testing framework for BlackDuck's code analysis tool running on AWS, boosting test coverage by 20%. Streamlined bug triage and introduced comprehensive logging, accelerating defect resolution.

**Nuance Communications** | Burlington MA

Sep 2013 – Dec 2015

### NLP Research QA Engineer

- Voice Model QA & Optimization: Tested and refined Samsung mobile S-Voice language models by adjusting model weights and propagation rules. Increased speech recognition accuracy by 20% across multilingual datasets.

## EDUCATION

- Dartmouth College, Hanover, NH, **Master of Science, Computer Science**
- University of Minnesota Twin cities, Minneapolis, MN, **Bachelor of Science, Computer Science**