DOHWEE (LEO) KIM

Somerville, MA · 603-892-6231 · leokim2024@gmail.com@gmail.com · LinkedIn | GITHUB | Website

Work Experience

Oracle, Austin, TX (Remote)   Sep 2022 – Present
Software Engineer III

- **Identify and Authorize & SSO login on different Cloud**: Led the implementation of a cloud-based IAM application and Single-Sign-On(SSO) middleware. Managed user JWT ,authorization, API/session access, and seamlessly integrated legacy login systems. Collaborated with the tech lead on DB query optimization and potential security issues mitigation strategies, ensuring a robust and secure IAM implementation.
- **High-traffic data ingestion and extract pipeline:** Led development of scalable reservation data stream and batch data application for Oracle Hospitality (Apache Kafka, Artemis MQ, Python, Golang, and MySQL). Designed fault-tolerant architecture, ensuring 99.9% uptime and addressing bottlenecks with targeted query optimizations.
- **Ads Email and Upsell recommendation service**: Worked alongside the data science team to integrate upsell ad recommendations and retargeting email service for major hotel chains. Developed real-time updates of data models, model evaluation to assess the performance, and conversion rate evaluation pipeline. Contributed 18% rise in email retarget service clicks in FY 2024 and 8% more conversion rates.

Tracelink, Wilmington, MA   Nov 2018 – Sep 2022
Software Engineer in Test II, Tools and Infrastructure

- **Developed a Sandbox Environment with Mock up applications:** Created realistic mock applications to support diverse testing scenarios and implemented environment simulations that streamlined development workflows, increased testing coverage 20%. .Engineered a robust sandbox environment using React.js for frontend development, Docker containerization, and Zookeeper for service orchestration.
- **Supply chain backend development and compliance implement:** Developed and maintained scalable backend services for pharmaceutical supply chain transactions using Node.js and Utilized PostgreSQL for robust database management and deployed applications on AWS to ensure high availability and scalability. GraphQL APIs to ensure regulatory standards, enhancing data integrity and safeguarding company revenue.
- **Automated Build and Test Pipeline:** Designed and led the implementation of a comprehensive automated testing framework and CI/CD pipeline using Jenkins, Docker, and k8s. Integrated end-to-end integration tests, which doubled test coverage and automated over 90% of manual tests. These improvements resulted in a 20% reduction in time to market by streamlining deployment processes and enhancing pipeline efficiency.

Synopsys, Burlington, MA   Jan 2016 – Oct 2018
Software Integration QA Engineer II

- Designed, executed, and optimized automated testing framework on AWS cloud platform; led to more than 20% increase in test case coverage.

Nuance Communications, Burlington, MA   Sep 2013 – Dec 2015
NLP Research QA Engineer

- Lead testing Samsung S-voice language model. Increased accuracy rates by updating model weights and pack propagation rules. Entire team used my tool to evaluate model performance.
- User data label and cleaning up incorrectly labeled data for multi stage speech recognition.

EDUCATION

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

OTHER

Google Tensorflow certification, Google Hashcode 2020 975th, Meta HackerCup 2021 Round