## Contact

dlguddnr0820@gmail.com

www.linkedin.com/in/hyeongwook-lee-97ab10239 (LinkedIn)

## Top Skills

databricks

Python

MongoDB

## Certifications

Databricks Certified Data Engineer Associate

AWS Certified Solutions Architect – Associate

Databricks Certified Generative AI Engineer Associate

## Honors-Awards

LG Innotek Awards - Customer Excellence Award, 1st Place - DX Division

LG Bootcamp Award, 2nd Place

# HyeongWook Lee

AX Engineer at LG Innotek

Ansan, Gyeonggi, South Korea

## Experience

**LG Innotek**
소프트웨어 엔지니어
January 2023 - Present (3 years 2 months)

Designed and built an AI-powered internal knowledge assistant, delivering a full-stack web application (React + Vite / FastAPI) deployed on on-premise infrastructure — enabling employees to query unstructured documents across the organization through a custom RAG pipeline (Azure OpenAI, Qdrant, MongoDB) with metadata filtering and document-level chat.

Migrated the system to AWS with support from LG CNS engineers, including architecture redesign, full data and code migration, and transitioning the vector store from Qdrant to OpenSearch.

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## Education

**Penn State University**
Bachelor of Science - BS, Computer Science, Minor in Mathmatics · (August 2017 - December 2022)