

# KyeongHan Ha

**Full-Stack + Data/ML Engineer | Shipping LLM-Enabled Services**

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## Professional Summary

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Full-stack software engineer with a strong CS foundation (data structures, algorithms, OS, networks, security) and hands-on experience building production-oriented services. Experienced in backend/API development, database design, and cloud deployment, with additional exposure to integrating LLM-based features for automation and user-facing workflows. Known for structured problem-solving and cross-functional collaboration through project leadership and team activities.

Willing to relocate: Anywhere

## Education

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### **Computer Science Engineering (Bachelor's degree)**

Dongguk University-30 Pildong-ro 1-gil, Jung-gu, Seoul, 04620, Republic of Korea

March 2018 to February 2024

- Possess solid academic foundations in computer science, including discrete mathematics, data structures, algorithms, and programming language concepts.
- Completed core systems coursework such as Computer Organization & Architecture, Operating Systems, and System Software, building an understanding of how software interacts with hardware.
- Studied software development principles through Software Engineering and Open Source Software Project, covering requirements, design, implementation, and testing.
- Coursework also includes Database Systems, Computer Networking/Data Communications, Computer Security, Cryptography & Network Security, Artificial Intelligence, and Machine Learning.

### **Humanities (Diploma)**

Suji High School-73, Supung-ro, Suji-gu, Yongin-si, Gyeonggi-do, Republic of Korea

March 2013 to February 2016

## Skills

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- Python
- Redis
- AWS Lambda
- OpenCV
- SSL
- Spring Framework
- Scikit-learn
- Pandas
- Dart

- Spring Boot
- NLTK
- Java
- MySQL
- Amazon EC2
- Vue.js
- RDS database
- Docker
- NGINX
- Flutter
- S3

## Languages

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- English - Expert

## Links

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<https://github.com/fanzip>

[https://github.com/YeoDamHuman/Travel\\_Back](https://github.com/YeoDamHuman/Travel_Back)

<https://github.com/khanz0613>

## Military Service

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### **Branch: Social Service Agent**

Service Country: South Korea

Rank: Private

April 2021 to January 2023

## Awards

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### **Best Overall Capstone Project (1st Place)**

December 2025

- Organizer: Multicampus (in partnership with KB Kookmin Bank)
- Date: Aug 21, 2025
- Project: Digital wallet service for influencers and fans
- Description:

Received the top award in the final capstone project for developing a digital wallet service designed to support transactions and engagement between influencers and fans.

## Certifications and Licenses

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### **Engineer Information Processing**

June 2022 to Present

- a national certification validating core competencies in software development, databases, and information systems, including programming, data management, and IT fundamentals.

### **Driver's License**

December 2016 to Present

### **SQLD (SQL Developer)**

- a national certification validating practical skills in SQL querying, data modeling basics, and relational database concepts for data retrieval and management.

### **OPIC**

January 2026 to January 2028

IH(Intermediate High)

## Groups

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### **[KB] IT's Your Life (Cohort 6)**

March 2025 to August 2025

- Provider: Multicampus (in partnership with KB Kookmin Bank)
- Duration: Mar 4, 2025 – Aug 21, 2025 (960 hours)
- Track: Full-Stack Software Engineering
- Overview:

Completed a full-stack web development program covering front-end development with Vue, back-end development using Spring Legacy, and database fundamentals with MySQL. Strengthened cloud infrastructure skills through multiple projects involving AWS services such as EC2, RDS, and S3. Graduated as a top 20% high-performing participant.

### **Mokmyeokseong (University Band Club)**

March 2018 to February 2024

- Led club members as president, coordinating performances and events while developing leadership, teamwork, and organization skills.

## Additional Information

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### Projects

- BEAM — Cash-Flow Risk Prediction System for Seoul Small Businesses (Aug 2025 – Sep 2025)  
Built a hybrid default-risk model (Altman Z'-Score + Random Forest) achieving 87.81% accuracy and delivered ChatGPT-based financial improvement reports with loan-impact simulation.
- Fan.zip — Influencer & Fan Integrated Platform (Jun 2025 – Aug 2025)  
Designed a high-traffic architecture with Redis distributed locking, led a 42-table ERD and CI/CD automation, and implemented dynamic QR ticketing + FCM push notifications; won Best Capstone Project.

- Yeodam — AI Travel Plan Generation App (May 2025 – Oct 2025)

Implemented 35+ REST APIs for itinerary/budget planning, applied dual caching (Caffeine + Redis) for TourAPI limits/performance, and built JWT/Spring Security auth with refresh tokens managed in Redis.

- Itaewon Crowd Crush Public Sentiment Analysis (Sep 2023 – Dec 2023)

Crawled and processed news-comment data and used LDA topic modeling to quantify opinion shifts from accountability to memorial/safety awareness around the first anniversary.

- Veggie Hunter — Lowest-Price Vegetable Alert App (Mar 2023 – Dec 2023)

Built a serverless data pipeline (AWS Lambda + EventBridge) for daily price collection and developed a Flutter app with trend visualization and FCM alerts; published on ONE store.

- Sign Language Translation System (Mar 2023 – Jul 2023)

Developed a lightweight real-time recognition model using MediaPipe landmarks + SVM, improved robustness with dominant-hand tracking, and achieved 98.05% accuracy on the test set.

- Automated Financial Statement Collection for SMEs in Yongin (Jul 2022)

Automated web crawling to collect financial data for ~30,000 local SMEs and built a structured database for the city office.