

Byungwoo Yoo

CTO / Software Engineer

Summary

Inspired by a professor's words, 'You have received the best education at a lower cost, so you must dedicate yourself to the country and its people,' I have worked as a core developer for LINE Messenger, used by 600 million people worldwide, and have experience in entrepreneurship and exit in the US. I have also led AI labs at top ed-tech companies in Korea and currently serve as CTO at Datarize.

Experience

Datarize

06/2025 - 06/2026

CTO

CRM SaaS platform for e-commerce operators

- Established technical roadmaps and managed hiring and organization for BE, FE, Data, QA, and SDK chapters
- Led AX transformation across the company and drove AI hackathons, resulting in the launch of three AI products
- Designed enterprise-oriented APIs and handled technical sales

Mathpresso

02/2021 - 05/2025

VP of Engineering / AI Lab Lead

Operator of QANDA, an AI-based math problem-solving search platform

- Led the only profitable B2B business unit, providing AI solutions to major educational companies such as Mirae, Visang, and YBM
- Led multiple AI research projects, including ML, search, and automatic calculator and content DB development
- Redesigned search and ML services based on domain-driven design, reducing infrastructure costs by over 50%

Kasa Korea

02/2020 - 02/2021

VP of Engineering

Operator of Kasa, a blockchain-based real estate investment and trading platform

- Oversaw the development of various features for API servers and trading engines, leading to the successful launch of the service

Buzzvil

01/2017 - 02/2020

Team Lead

Operator of Buzzscreen, the world's largest smartphone lock screen advertising platform (used by over 2 million people daily)

- Developed and managed ad and content allocation logic for Buzzscreen
- Optimized search functionality, reducing infrastructure costs by 75% and improving response times
- As a software architect, guided other engineers in building robust and sustainable microservices using Clean Architecture and DDD, ensuring zero downtime

Slidejoy

09/2014 - 01/2017

Co-founder

US-based startup acquired by Buzzvil

- Reached break-even point and secured funding before being acquired
- Designed and developed the service using ad networks, and introduced Spring Boot for the backend

NAVER

12/2011 - 03/2015

Senior Software Engineer

Core developer for LINE Messenger

- Improved transmission rates (75% to 99.5%) as the lead developer for NNI (NHN Notification Infra), a core library for LINE, and gained experience with overseas deployments and on-site debugging
- Developed and contributed to the Android version of the Netty network library as open-source
- Introduced MVP software design, significantly enhancing team performance

About



Seocho-gu, Banpo-ro
270, 101-102, Seoul KR



hovan@hovans.com



010-8313-6313



linkedin.com/in/urunimi

Skills

Leadership

Expert

AI Lab CTO

Server Backend Development

Expert

Fast API Spring Boot

Elasticsearch

AI Service Development

Expert

RAG LLM Agents

Sustainable Design

Expert

Clean Architecture DDD

Infrastructure Operations

Intermediate

AWS GCP Azure

Android & Web Development

Intermediate

Education

InfoBank / DOSA

Software Engineer

05/2008 - 12/2011

Worked at InfoBank and DOSA as part of my military service

- Participated in the development of m&Talk and Samsung ChatON

Volunteer

Gyeonggi Province

Provincial Policy Advisor (Economic Investment Division)

09/2024 - 05/2026

Provided AI policy and technical advice to Gyeonggi Province

- Advised on the construction of Gyeonggi Province's generative AI project and conducted technical reviews

Publications

Explain with Visual Keypoints Like a Real Mentor! A Benchmark for Multimodal Solution Explanation

04/2025

AAAI 2026 (arXiv:2504.03197)

Proposed a multimodal benchmark (MathExplain) for identifying and explaining visual keypoints in math problem-solving explanations. Co-authored.

Seoul National University

03/2003 - 02/2008

Bachelor's degree

Department of Electrical

Engineering (minor in

Business Administration)

Daewon Foreign

Language High School

03/2000 - 11/2001

German Language

Languages

Korean (*Native*)

English (*Fluent*)