

# Suin Kim

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Seoul, South Korea

## EDUCATION

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### Korea University

B.A. in Linguistics & B.S. in Computer Science (Double Major)

GPA: 4.04 / 4.5 · Relevant Coursework: Databases, Machine Learning, Natural Language Processing

Seoul, South Korea

Mar. 2020 – Aug. 2024

## EXPERIENCE

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### LG CNS

Software Engineer

Seoul, South Korea

Sep. 2024 – Present

- **LGE ThinQ AI Recipe:** Developed test automation agents in a multi-agent recipe generation pipeline shipped to the LGE ThinQ App.
  - Built an agent covering normal, guardrail, and adversarial test modes using keyword sampling, deduplication, and temperature tuning.
  - Resolved multilingual inference degradation by migrating to a Korean/English dual-prompt architecture.
- **AI-Driven Design Prototyping (Internal PoC):** Led the end-to-end development of an automated UI prototyping system that generates code from User Journey Maps.
  - Engineered a custom MCP Server to bridge vector databases with Cursor Agent, automating HTML/CSS generation.
  - Reduced design inconsistencies by implementing self-correcting agent loops using LangGraph (Analyze-Search-Generate-Evaluate).
- **LGE Global Careers Platform:** Frontend development for LG Electronics' global hiring platform using Next.js, supporting **16 languages** across **117 regional operations**.
  - Owned i18n architecture and optimized SSR/SEO for multi-regional UX requirements.
- **Technical & AX Mentoring:**
  - **AX Incubation Camp:** Assistant instructor across **3 cohorts** (20+ engineers each), leading hands-on sessions on AI-assisted coding and LLM application design.
  - **AX Learning Crew:** Mentored peers on practical Agentic Workflows; delivered AI coding workshops to affiliate company engineers.

Software Engineer Intern

Jan. 2024 – Feb. 2024

- **Internal Operations Platform:** Built a full-stack platform using NestJS and MongoDB to automate manual data collection for **100+ members** within the Build Center.

## PROJECTS

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### ASKu (University Festival Betting Platform)

Backend Developer

Mar. 2023 – Jun. 2023

- **High-Traffic Handling:** Managed **31,000+ real-time events** and **2,600+ visits** over 3 days by optimizing Node.js and MySQL query performance.
- **Concurrency Control:** Integrated Redis for session caching and rapid data access, ensuring zero downtime during live betting spikes.

### ASKu (Campus Information Wiki)

Full-stack Developer

Mar. 2023 – Aug. 2024

- **Database Automation:** Implemented MySQL Triggers to automate real-time notifications for discussion updates and activity-based rewards.
- **Information Retrieval:** Engineered a centralized search system to aggregate fragmented campus data into a single, searchable format.

## OPEN SOURCE

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### python-mysql-replication

Contributor

2023

- **Technical Impact:** Implemented critical binlog events (RandEvent, UserVarEvent) and resolved complex charset (Latin1) compatibility issues in the core engine.
- **Recognition:** Merged **10+ PRs** via the Open Source Contribution Academy, receiving the **Outstanding Award** from NIPA.

## SKILLS & LANGUAGES

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- **Tech Stack:** Python, TypeScript, React, Next.js, LangGraph, MySQL.
- **Specialized In:** AI Agent Design, Prompt Engineering, Multilingual Systems, Frontend Engineering, Technical Mentoring.
- **Languages:** Korean (Native), English (Fluent), Chinese (Conv.), Japanese (Conv.).
- **Consistency:** 2,000+ day Duolingo streak