

## 연락처

simjaecheol@naver.com

www.linkedin.com/in/jae-cheol-sim-800b18135 (LinkedIn)

## 대표 보유기술

vllm

Retrieval Augmented Generation, RAG

langchain

## Certifications

AI Agents Fundamentals

모두를 위한 대규모 언어 모델 LLM(Large Language Model) Part 1 - Llama 2 Fine-Tuning 해보기

# Jae-Cheol Sim

AI Transformation

대한민국 서울 서울

## 간단프로필

Senior AI Engineer with 8 years at Samsung, bridging physical robotics simulation with cognitive LLM solutions.

Successfully scaled internal productivity AI services from PoC to enterprise launch using RAG and Agent architectures.

Currently developing AI Transformation (AX) at Samsung HQ to revolutionize business workflows through advanced AI integration.

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## 경력

Samsung Electronics

8년 2개월

Staff Engineer

2026년 4월 - Present (1개월)

대한민국 서울

Staff Engineer | AX Development Group

엔지니어

2018년 3월 - 2026년 3월 (8년 1개월)

서울, 대한민국

Samsung Electronics

Total Duration: 2018 – Present

Location: Seoul, South Korea

1. AX Engineer (Incoming)

AX Development Group, Samsung Electronics HQ

Dec 2025 – Present

- Developing Enterprise AI Transformation (AX)

2. AI Research Engineer (Productivity & LLM)

AI Productivity Team / Language Intelligence Team, Samsung Research

Jan 2024 – Dec 2025

- PoC to Production: Scaled internal productivity AI services from PoC (2024) to enterprise-wide launch (2025) using Samsung Gauss (Proprietary LLM).
- Full-Stack Development: Led end-to-end engineering (FE/BE) to ensure a seamless user experience for AI services.
- Advanced AI Design: Designed and implemented core AI components, focusing on RAG architectures and Autonomous Agents to enhance accuracy and automation.

### 3. AI Research Engineer (Simulation & Generative Methods)

AI Methods Team, Global AI Center

Jan 2022 – Dec 2023

- OpenBotHandy Project Lead: Established standardized simulation benchmarks for robotic manipulation to accelerate community research.
- GenAI for Simulation: Engineered automated 3D environment generation pipelines converting sensor data and floor plans into interactive interiors.
- Virtual Benchmarking: Conducted high-fidelity simulations to validate next-gen robotic manipulation technologies.

### 4. Robotics Research Engineer (Simulation & RL)

Simulation Lab / Frontier Research Team, Robot Center

Jan 2018 – Dec 2021

- RL & Sim2Real: Authored research on RL for vision-based manipulation (arXiv:2206.05671) and achieved Sim2Real transfer for physical robots (BotHandy).
- Synthetic Data Platform: Architected a web-based platform for procedural indoor generation and synthetic data management.
- Algorithm Validation: Developed and validated semantic object mapping algorithms for vacuum cleaners via simulation.

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## 학력

중앙대학교

학사, 컴퓨터 공학(소프트웨어) · (2011년 3월 - 2018년 2월)