Résumé: Jeayoung Jeon

MLOps/DevOps and AI Engineer (Updated at 2026-01-13)

SUMMARY

My name is Jeayoung Jeon [전제영], and I'm an AI Platform Engineer in Seoul, South Korea. I also specialize in:

- 🐳 Developing **MLOps (APIs, Pipelines)** and **AI/LLM Platforms** in cloud-native environments.
- 🧙‍♀️ Building **Hybrid Kubernetes Clusters** for **High Availability** and **GPU Cost Reduction**.
- 🧑‍🚀 Contributing decisions for **MLOps/DevOps** using backgrounds in **ML, Computer Vision, Automotive**.

I'm always open to new challenges and opportunities for various fields including **ICT**, **AI**, and **Automotives**. Please feel free to contact me. If you're looking for my professional experience and details, please see my **projects** (https://jyje.online/en/profile/projects) and **portfolio** (https://jyje.online/works) .

: **jyjeon@outlook.com**

: **https://jyje.online**

: **LinkedIn: jyje** (https://www.linkedin.com/in/jyje)

: **Github** (http://github.com/jyje)

: **StackShare** (https://stackshare.io/jyje/jyje-pro-stack)

Work

Feb 2025 – *present* (10 Months)

🧑‍💻 Intermediate Software Engineer [책임, Professional] at Hyundai AutoEver (https://www.hyundai-autoever.com/eng)

Roles: Lead AI Platform Engineer at Development Environment Platform Team, Hyundai AutoEver

- **AI/LLM Platform** Developing extensible AI agents for in-house toolchains and LLMOps configuration
- **Cloud-Native AI** Configuring cloud-native environment for generative AI

Jan 2021 – Oct 2024 (3 Years 9 Months)

🧑‍🔬 Intermediate Software Engineer [선임-책임연구원] at MAXST (https://maxst.com/ENG/main)

Roles: Lead MLOps/DevOps Engineer at Technology Division, MAXST

- **MLOps/LLMOps** Designed ML APIs and data pipelines. Built RAG+LLM systems for enterprise solutions
- **Infrastructure** Architected hybrid clusters (AWS EKS + On-Premise) for digital twin platform
- **SRE** Led site & service reliability engineering initiatives for web services and ML workloads

Mar 2012 – Aug 2020 (8 Years 5 Months)

🧑‍🚀 Graduate Student Researcher in Computer Vision at POSTECH (https://eee.postech.ac.kr/)

Roles: Ph.D Integrated Student at Department of Electrical Engineering, POSTECH

- **Computer Vision** Research on hyperparameters for accurate and efficient computer vision algorithms
- **Automotives** Principal computer vision technologies for autonomous driving including ADAS and SLAM; Participated in the development of the Korean government's incubation projects with various ADAS researches
- **FPGA** Efficiently implemented computer vision and machine learning algorithms with real-time parallel matrix processing; SoC-type GPU/NPU accelerator

Education

Mar 2012 – Aug 2020 (8 Years 5 Months)

🎓 Master's Degree (Integrated Program) in Department of Electrical Engineering, Signal Processing & Computer Vision from Pohang University of Science and Technology (POSTECH) with GPA of 3.2/4.3

- Thesis: Virtual Visual-SLAM for Real-World Environments, 2020

Mar 2008 – Feb 2012 (3 Years 11 Months)

🎓 Bachelor's Degree in School of Electronic Engineering, Electronic Communication from Kumoh National Institute of Technology (kit) with GPA of 4.3/4.5

- Thesis: A Study on a Visible Light Communication using LED in Under-water Environment, 2011

Skills

SUMMARY

Highlighted items are specialized in industry-ready.

GenAI & LLMOps :

Public/On-Premise LLM | RAG | MCP | Agentic AI

MLOps :

Kubeflow | AutoML Katib | Training Operator | JupyterHub

DevOps & SRE :

Kubernetes | On-Premise | AWS EKS | GCP GKE | Hybrid Clusters | ARM64 | IaC | Kubespray | Terraform | Ansible | Istio | Grafana Stack | Karpenter

CI/CD/CT/CT :

Argo Projects | Bitbucket Pipelines | GitLab CI | GitHub Actions | Self-Hosted Runner | Kaniko | Buildah | Locust | Litmus

ML Backend :

Python/FastAPI | Python/LangGraph | Ollama | Milvus | PostgreSQL | Redis

Computer Vision :

Automotives | SLAM | PyTorch | OpenCV | FPGA

UI/UX :

Slackbot | Python/FastUI | Open WebUI | Vercel AI SDK | .NET/MAUI | .NET/WPF | Unity

Programming languages :

Python | .NET/C# | C/C++ | MATLAB

Awards

May 2014

🏅 **Best Poster Session in Workshop** from **KYUTECH-POSTECH Joint Workshop**

[Poster] Iterative Polygon Detection using Harris Corner Space Method for Finding Traffic Signs

Feb 2012

🏅 **Highest Honors in Undergraduate School** from **Kumoh National Institute of Technology**

[Summa Cum Laude] Highest Honors in Undergraduate Electronic Engineering School

Jan 2012

🏅 **NAVER Power KiN 2011** (https://m.site.naver.com/1y6qP) from **NAVER**

[Activity] Knowledge Export in `Electronics Engineering, Mathematics and Programming fields`. Active 2009-2011, Selected as a MVP in 2012 / Total number of answers 723, Selection ratio 98.1%

Publications

SUMMARY

The full list of my publications are available on Google Scholar (https://scholar.google.com/citations?user=gwCPQM8AAAAJ&hl=ko) .

Jul 2020, POSTECH, Thesis (1st)

🎓 **Virtual Visual-SLAM for Real-World Environments** (http://postech.dcollection.net/common/orgView/200000341295) by **Jeayoung Jeon**

Innovative middle-out compression algorithm that changes the way we store data.

Nov 2014, ISVC, Advances in Visual Computing, 10th International Symposium (2nd)

📄 **Cost Aggregation Table: Cost Aggregation Method Using Summed Area Table Scheme for Dense Stereo Correspondence** (https://doi.org/10.1007/978-3-319-14249-4_78) by **JeongMok Ha, Jeayoung Jeon, GiYeong Bae, SungYong Jo & Hong Jeong**

Oct 2014, ICCAS, 14th International Conference on Control, Automation and Systems (1st)

📄 **Polygonal symmetry transform for detecting rectangular traffic signs** (https://doi.org/10.1109/ICCAS.2014.6987934) by **Jea Young Jeon, JeongMok Ha, Sung Yong Jo, Gi Yeong Bae, Hong Jeong**

Apr 2011, ICS-KIEE (1st, equivalent)

🎓 **A Study on a Visible Light Communication using LED in Under-water Environment** (https://www.dbpia.co.kr/Journal/articleDetail?nodeId=NODE01951197) by **Daehee Lee, Ki-Sung Park, Jea-Young Jeon, Yeon-Mo Yang**

Certifications

Oct 2025 (Expired in Oct 2027)

🐳 **KCSA: Kubernetes and Cloud Native Security Associate** (https://www.credly.com/badges/1206ad1c-e348-4328-934d-72e44ca434be) from **The Linux Foundation**

Oct 2025 (Expired in Oct 2027)

🐳 **KCNA: Kubernetes and Cloud Native Associate** (https://www.credly.com/badges/759e92f0-7b3b-4788-8eff-c20ad1e2c645) from **The Linux Foundation**

Sep 2024 (Expired in Sep 2026)

🐙 **CAPA: Certified Argo Project Associate** (https://www.credly.com/badges/ee42c2c7-2ac3-411f-8713-cc26cbec8022) from **The Linux Foundation**

Jun 2024 (Expired in Jun 2026)

🐳 **CKAD: Certified Kubernetes Application Developer** (https://www.credly.com/badges/9e072a3a-57d0-403e-8bef-5831d618675c) from **The Linux Foundation**

Mar 2024 (Expired in Mar 2027)

🐳 **CKA: Certified Kubernetes Administrator** (https://www.credly.com/badges/d944bde7-222a-4ce5-b4e6-4e6c84df0ef8) from **The Linux Foundation**

Interests

Research/Dev :

Agentic RAG | Digital Twins | AMD-to-ARM Transition | Hybrid Clusters

DevOps Culture :

Coop First, Tech Next | Automate as Possible | Internal Development Platform

Home Clusters :

Raspberry Pies | Personal RAG | Live Demo

Languages

Korean :	Native
English :	Working Proficiency