Résumé: Jeayoung Jeon
MLOps and Cloud-Native Software Engineer

SUMMARY

My name is Jeayoung Jeon [ᴋʀ전제영]. I'm working at MAXST as an **MLOps** and **Cloud-Native Software Engineer**.

- 🧑‍💻 Current Roles
  - Making **Digital Twin Platforms** with **Cloud-Native APIs** and **ML pipelines**.
  - Making **Hybrid Kubernetes Clusters** with **On-Premise** and **Public Cloud**.
  - Making **Team Services** to increase team productivity with **DevOps**, **GitOps**, **ChatOps** and **MLOps**.

- 🎉 Achievements
  - Reduced cloud budgets more than **50%** via **Hybrid Clusters** against **Public Cloud** only.
  - Provided services including **Slackbot for CI/CD, AutoML, Remote Notebooks, ML Pipelines**.
    - Daily usages for 10+ teammates 🥳.

- 🤓 Challenges
  - Finding the best-practice-way between team culture and new technologies.
  - Finding the optimal way between better performance and less cost.

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🏠 : **https://jyje.live**

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

⛓ : **jyje** (http://github.com/jyje)

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

🎓 : **Jeayoung Jeon**
(https://scholar.google.com/citations?
user=gwCPQM8AAAAJ)

Work 💼

Jan 2023 – *present*
MLOps/DevOps Engineer at MAXST (https://maxst.com/en)

SUMMARY

DevOps and Computer Vision Engineer with

- 2024 - Present : **MLOps, DevOps and Cloud-Native Software Development.**
  - Visual-SLAM for Digital Twin Systems (https://postech-primo.hosted.exlibrisgroup.com/permalink/f/1031dvf/82POSTECH_INST21232402040003286)

- 2024 - Present : **MLOps, DevOps and Cloud-Native Software Development.**
  - Visual-SLAM for Digital Twin Systems (https://postech-primo.hosted.exlibrisgroup.com/permalink/f/1031dvf/82POSTECH_INST21232402040003286)

- 2023 : Visual-SLAM and SfM for Digital Twin Systems

Jan 2021 – Dec 2022
Computer Vison Engineer at MAXST (https://maxst.com/en)

SUMMARY

Developing computer vision algorithms for AR/VR and Digital Twin Systems.

- 2022 : **MLOps, DevOps and Cloud-Native Software Development.**
  - Visual-SLAM for Digital Twin Systems (https://postech-primo.hosted.exlibrisgroup.com/permalink/f/1031dvf/82POSTECH_INST21232402040003286)

- 2021 : Visual-SLAM and SfM for Digital Twin Systems

Jan 2012 – Aug 2020

Graduate Student with Integrated Program at POSTECH (https://eee.postech.ac.kr/)

SUMMARY

During my time as a graduate student at POSTECH, I had the privilege of working in two renowned research labs:

- 2018 - 2020 : **Computing and Control Engineering Lab.**
  - Visual-SLAM for Digital Twin Systems (https://postech-primo.hosted.exlibrisgroup.com/permalink/f/1031dvf/82POSTECH_INST21232402040003286)

- 2012 - 2018 : **Advanced Signal Processing Lab.**

Sep 2012 – Feb 2014

Teaching Assistant at POSTECH (https://eee.postech.ac.kr/)

SUMMARY

While pursuing my graduate studies, I also served as a Teaching Assistant for various courses, including:

- [2012] EECE233 Signals and Systems
- [2013] EECE454 PC Interface

Jul 2010 – Aug 2010

Undergraduate Internship at GIST (https://me.gist.ac.kr/biomems/index.do)

SUMMARY

As an undergraduate student, I participated in an internship program at the BioMEMS Lab in GIST, where I engaged in the following tasks:

- Study on BioMEMSs equivarant to Electronic RLC circuits
- Preview of Graduate Program and Experiments

Education & Experience 🏛

Mar 2012 – Aug 2020

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

Mar 2008 – Feb 2012

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

Certifications ✔

Mar 2024 (Expired in Mar 2027)

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

Jun 2024 (Expired in Jun 2026)

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

Skills 🔧

SUMMARY

More details about my skills can be found in Stackshare (https://stackshare.io/jyje/jyje-pro-stack). Hightlighted skills are well-experienced and industry-ready.

MLOps and LLMOps :

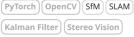Data Pipeline | AutoML Katib | Training Operator | Ollama | RAG

DevOps :

Kubernetes | Argo Workflows | IaC | Kubespray | Ansible | Terraform | MicroK8s

GitOps :

CI/CD | Argo CD | Bitbucket Pipelines | GitHub Actions | Buildah | Kaniko | Slackbot

Application Development :

Python/FastAPI | Python/argparse | Dockerization | Unit Testing | .NET/WPF | .NET/MAUI | Unity

Computer Vision and Machine Learning :

PyTorch | OpenCV | SfM | SLAM | Kalman Filter | Stereo Vision

Programming languages :
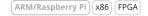
Python | C# | MATLAB | C/C++

Tools :

Visual Studio Code | Visual Studio | Jupyter Notebook | Polyglot Notebook | MATLAB/Simulink

OS, Kernel and Terminal :

Windows | WSL2 | Ubuntu | Alpine | MacOS | zsh | pwsh

Hardware :

ARM/Raspberry Pi | x86 | FPGA

Languages 💬

Korean : Native
English : Working Proficiency