

Jincheol Jung

<https://bik1111.github.io/>

INTERESTS	Container Virtualization, Cloud Orchestration, Federated Learning	
EDUCATION	Kyung Hee University <i>Undergraduate Student</i> <ul style="list-style-type: none">• Bachelor of Science in Software Convergence• Total GPA of 3.05 / 4.3 (87.8 / 100)	Mar 2022 – Feb 2025
HONORS AND AWARDS	<i>University Innovation Scholarship</i> , Kyung Hee University, 2022 1st Place in Google Hardware Hackathon, Google, 2024 Excellence Awarded in Artistic Software Competition, Kyung Hee University, 2023 Special Award in SW-centered University Hackathon, Korea Information Science Society, 2023 Excellent Award in University MakeUs Challenge(UMC) Hackathon, UMC, 2022	
PUBLICATIONS	Jincheol Jung, Sungwon Lee. 2024. Performance Comparison Analysis of gRPC and zeroMQ for Efficient Library Selection in Chat Service Development, <i>Korean Institute of Information Scientists and Engineers (KIISE)</i> , pp. 2087–2089. [pdf] [code]	
RESEARCH EXPERIENCE	Operating Systems Laboratory , Korea University <i>Research Intern (Adviser: Professor Gyeongsik Yang)</i> <ul style="list-style-type: none">• Led project on custom metric-based autoscaling in Kubernetes environments Built Custom Metric-Based Autoscaling Environment with Prometheus Adapter and Grafana Analyzed Success Rate, 99% tail-latency, Pod count and CPU utilization under traffic load• Participated in projects on 6G network system Reimplemented AR/VR open-source project [Link] Participated in paper reviews related to research topics [Link] [pdf]• Conducted study related to Docker and Kubernetes. [Link]	Dec 2023 – Sep 2024 Seoul, Korea
	Big Data Laboratory , Kyung Hee University <i>Research Intern (Adviser: Changho Jihn)</i> <ul style="list-style-type: none">• Extracted and preprocessed human posture and joint data using Azure Kinect DK for motion tracking enhancement [code] [Link]• Facilitated communication between an Egyptian postdoctoral researcher and a Korean student	Dec 2022 – Feb 2023
EXTRACURRICULAR ACTIVITIES	Military Service <i>Auxiliary Police, South Korea</i>	Aug 2016 – May 2018
	AWSKRUG University Student Group (AUSG) <i>Regular Member</i> <ul style="list-style-type: none">• Delivered session on gRPC, focusing on key concepts and practical applications• Organized and participated in an IT conference tailored for university students and junior professionals• Participated in study groups for English and database	Aug 2023 – PRESENT
	AWS Cloud Club (ACC) <i>Regular Member</i> <ul style="list-style-type: none">• Served as Co-Captain in a club for students interested in AWS services and cloud technology• Prepared weekly presentation materials on cloud-related topics and assisted members with hands-on exercises [pdf]	May 2023 – Aug 2023

Open Source Contribution Academy (OSSCA)

Jul 2023 – Oct 2023

Mentee

[pdf]

- Translated the “Model” section of the LLM Prompt Engineering Guide into Korean

[Link]
- Defined translation conventions, including tone, glossary for loanwords, and techniques to avoid literal translation

[code]

University IT Alliance Club (UMC)

Sep 2022 – Nov 2022

Regular Member

- Led the backend-side team, responsible for API design and development, as well as ERD creation
- Collaborated and communicated with a team of 7 members to achieve project goals

[code]

Comento IT Job Bootcamp

Sep 2023 – Oct 2023

Mentee

[pdf]

- Gained practical experience in AWS cloud setup and operations
 - Configured cloud environment with AWS Free Tier, including VPC and Bastion host setup
 - Deployed Kubernetes-based EKS environment and launched Nginx services
 - Built EFK (Elasticsearch, Fluentd, Kibana) stack for log collection and monitoring
 - Set up CloudWatch alerts with Slack integration for real-time resource monitoring

Comento IT Job Bootcamp

Aug 2022 – Sep 2022

Mentee

[pdf]

- Completed hands-on backend development training
 - Set up backend development environment, including GitHub, Eclipse, and MySQL
 - Developed API documentation for collaboration between frontend and backend teams
 - Built RESTful APIs using Spring Boot and implemented SQL queries for data retrieval
 - Consolidated API functions with SQL and Java code

Software Development Bootcamp

Jul 2022 – Jul 2022

Trainee

[pdf] [code]

- Completed a comprehensive Web Developer Training Program focusing on modern web technologies
 - Learned HTML5, CSS3, and modern JavaScript syntax for web development
 - Gained practical skills in CSS frameworks like Bootstrap, Semantic UI, and Bulma
 - Improved JavaScript skills in DOM manipulation and server-side programming with Node.js
 - Developed full-stack applications using Express and MongoDB

TECHNICAL SKILLS

Adavanced

Python, JavaScript, TypeScript, Docker, Kubernetes, HTML, CSS

Moderate

Pytorch, C++, Node.js, SpringBoot(Java), MySQL, MariaDB

Novice

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LANGUAGE PROFICIENCY

English:

Upper-Intermediate (OPIC IH, TOEIC Speaking AL)

Korea:

Native

REFERENCES