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DevOps | MLOps | Cloud Engineer

Aspiring DevOps Engineer with a strong foundation in software development and a passion for cloud technologies. Demonstrated leadership and problem-solving skills through roles as Student Council President at 42 Wolfsburg/Seoul and participation in the Volkswagen-supported SEA:ME project. Proficient in Python, Docker, and CI/CD pipelines, with hands-on experience in implementing DevOps practices in open-source projects. Eager to apply technical skills and collaborative approach in an internship role to contribute to innovative DevOps solutions. Certified Kubernetes Administrator (CKA) with keen interest in cloud-native technologies and automation, seeking to leverage diverse background for efficient and innovative software delivery processes.

EXPERIENCE

VolksWagen SEA:ME Project | July 2024 - Present



Open source contributor | Dev/MLOps Engineer

Contributed as a DevOps engineer to VolksWagen's SEA:ME Project, an open-source initiative for fostering future mobility experts. Optimized the cross-compilation environment, reducing setup time by 70%. Facilitated Agile-based meetings, enhancing team collaboration and project efficiency.

Republic of Korea Army Aviation | July 2017 - Sep 2022

Master sergeant / Flight Engineer

Optimized aircraft maintenance processes and managed flight schedules, enhancing operational efficiency and flight safety, resulting in a commendation from the Division Commander. Led small combat units, demonstrating strong leadership, time management, and communication skills while collaborating with cross-functional teams to ensure mission success.

PROJECTS

[SEA:ME] Car instrument cluster | July 2024 - Sep 2024



As DevOps Engineer, engineered an efficient development environment using GitHub Actions, QEMU, and Docker for PiRacer vehicle instrument clusters. Streamlined cross-architecture deployment, reducing students' setup time by over 70% compared to traditional QT Framework methods. Improved overall project efficiency and learning experience for contributors.

[SEA:ME] Autonomous Drive - Lane detection | Sep 2024 - Present



Serving as MLOps Engineer and Project Leader, implemented MLOps practices using Jenkins and ngrok for continuous integration and deployment of machine learning models. Enabled real-time model training triggered by GitHub code changes, enhancing the development cycle of autonomous driving features.

[42Seoul] ft_transcendence | Jan 2024 - Mar 2024



As DevOps Engineer, Project Leader, and Backend Developer, led development of a real-time online Pong game platform. Designed system architecture incorporating ELK Stack for user analytics and implemented secure authentication via Google OAuth. Developed comprehensive friend management system with real-time status tracking. Established monitoring and logging systems to ensure robust performance and facilitate quick issue resolution.

EDUCATION

Bachelor of Computer science

Mar 2021 - Feb 2024

Korea National Open University

42 - Common Core Graduate

Nov 2022 - Jun 2024

42Seoul Council school president

42 - Advanced Core

July 2024 - Present

42Wolfsburg

CERTIFICATIONS



AWS DevOps Professional

Sep 2024 | Amazon Web Services

Certified Kubernetes Adminstrator

July 2024 | CNCF

• Programming Languages



• DevOps Tool / Cloud Platforms



Docker Kubernetes Github Action Jenkins



Grafana Prometheus ELK Stack AWS GCE