

CONTACT

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<https://jwoon-kim-portfolio.vercel.app>

EDUCATION

NOV 2023 - MAY 2025
JAMES COOK UNIVERSITY
SINGAPORE / AUSTRALIA

- Master of Information Technology, Major in Computing
- GPA: 6.46 / 7.0
- Award: The Dean's List, Study Period 53 2023

MAR 2015 - Feb 2022
SUNGKONGHOE UNIVERSITY
SEOUL, REPUBLIC OF KOREA

- Bachelor of Engineering, Software Engineering

SKILLS

PROGRAMMING LANGUAGES

- JavaScript, Python
- C, Java, Kotlin

BACK-END DEVELOPMENT

- Express, Node.js, Fast API
- Rest APIs, MySQL, MongoDB

FRONT-END DEVELOPMENT

- HTML, CSS, React, Next.JS
- Bootstrap, Tailwind

DEVELOPMENT TOOLS

- Git, AWS, Vercel, Docker, Linux

LANGUAGE

- Korean (Native)
- English (Fluent)

JOWOON KIM

SOFTWARE ENGINEER



SUMMARY

Proven problem-solving skills built through 3 years of leading cross-functional, data-driven projects — including saving \$21M through collaboration in international teams. Now applying this mindset to full-stack development, building user-centric applications using modern frameworks like React and Node.js. Comfortable working in cloud-native environments, with hands-on experience in containerized deployments and AWS services.

PROJECTS

1st Place 2025 JCU ID8 Hackathon

Encore Wat Streams: Real-time Streaming Service Back-End Developer, Project Leader, Team of 5

JUN 2025

- Developed a real-time streaming platform using WebRTC, with interactive features such as live chat and role-based access for streamers and viewers.
- Implemented secure user authentication and authorization using JWT and dynamic role-based access control.

Deep Learning Fraud Detection

SEP 2024 - NOV 2024

Data Scientist, Independent Project

- Designed an LSTM model using Python & TensorFlow to analyze mouse behavior and detect identity fraud, achieving 98.7% accuracy.
- Applied Agile methodologies and TDD to efficiently develop, test, and deliver software for machine learning, reducing project delivery time by 15%.

2nd Place 2024 JCU ID8 Hackathon

Stray Spotter: Cloud-based Web Service

OCT 2024

Full-Stack Developer, Project Leader, Team of 3

- Developed web service with Node.js (Express.js) for the backend, Next.js for the frontend, and MySQL for the database.
- Containerized multi-service app with Docker Compose, deployed on AWS EC2, using S3 for scalable image storage.
- Achieved 96% faster data retrieval by optimizing queries.

PROFESSIONAL EXPERIENCE

LG Electronics Inc, Vietnam

AUG 2019 - SEP 2022

Data Analyst

- Analyzed data to minimize wasted materials, resulting in total savings of 21 million USD over one year.
- Beyond my data analyst responsibilities, designed a database using Qlik that integrated around 45,000 daily records from multiple corporate systems.
- Built end-to-end data pipeline from raw data extraction to interactive data visualizations using SQL to deliver actionable insights.

Project Manager

- Ensured timely readiness for mass production of IVI (In-Vehicle Infotainment) systems by overseeing key metrics such as defect rates and production rates, achieving a 73% defect reduction.
- Managed KPI tracking for 100+ projects, delivering weekly reports to resolve bottlenecks and driving 3 years of continuous target achievement.