JOWOON KIM

SOFTWARE ENGINEER

CONTACT

📞 +65-8089-4026

✉️ jowoonkim629@gmail.com

in https://www.linkedin.com/in/jowoonkim

🌐 https://jowoon-kim-portfolio.vercel.app

EDUCATION

NOV 2023 - MAY 2025
JAMES COOK UNIVERSITY

- Master of Information Technology, Majoring in Computing
- GPA: 6.4 / 7.0 (expected)

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

- Bachelor of Engineering, Software Engineering

SKILLS

PROGRAMMING LANGUAGES

- JavaScript, Python
- C, Java, Kotlin

DATABASES

- MySQL, MongoDB

WEB TECHNOLOGY

- Node.js, Express.js, Next.js
- HTML, CSS
- React, Bootstrap, Tailwind

DEVELOPMENT TOOLS

- Git, AWS

LANGUAGE

- Korean (Native)
- English (Fluent)
- Vietnamese (Basic)

SUMMARY

Software Engineer with a strong passion for working with data.
Proven experience in saving $21 million USD through data analysis and over 3 years of project management in highly collaborative, international corporate environments.
Solid foundation in IT developed through a master's program and applied in multiple projects involving databases and APIs. Eager to leverage technical and soft skills to build efficient, scalable back-end data systems.

PROJECTS

Stray Spotter: Cloud-based Web Service
Back-End Developer, Project Leader, Team of 3 — MAR 2025 - PRESENT

- Developed a web service for sharing stray cat pictures, extracting metadata to monitor their population and well-being.
- Developed the backend server with Node.js, designed the database with MySQL, and utilized AWS S3 cloud for image hosting.
- Achieved 2nd place in the Hackathon hosted by James Cook University.

Responsive Portfolio Website
Full-Stack Developer, Independent Project — FEB 2025 - MAR 2025

- Developed a responsive, interactive portfolio website to showcase my achievements.
- Built with Next.js for full-stack functionality, Tailwind CSS for the frontend, and deployed on Vercel.

Deep Learning Fraud Detection
Data Scientist, Independent Project — SEP 2024 - NOV 2024

- Designed an LSTM model using Python & TensorFlow to analyze students' mouse behavior and detect identity fraud in online assessments, achieving 96% accuracy.
- Applied Agile methodologies and Test-Driven Development (TDD) with pytest to efficiently develop, test, and deliver software for machine learning, reducing project delivery time by 15%.

PROFESSIONAL EXPERIENCE

LG Electronics Inc, Vietnam
Data Analyst — AUG 2019 - SEP 2022

- 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.