JOWOON KIM

BACK-END DEVELOPER

CONTACT

- +65-8089-4026
- jowoonkim629@gmail.com
- https://www.linkedin.com/in/jowoonkim
- https://jowoon-kim-portfolio.vercel.app

EDUCATION

OCT 2019 - PRESENT
JAMESCOOK UNIVERSITY

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

MAR 2015 - JUL 2019
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
- HTML, CSS
- Bootstrap

DEVELOPMENT TOOLS

- Git, AWS

LANGUAGE

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

SUMMARY

I am a back-end developer 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. During my master's program, I built a solid foundation in IT and applied it through multiple projects involving databases and APIs. Eager to leverage my technical and soft skills to build efficient, scalable back-end data systems.

PROJECTS

Stray Spotter: Cloud-based Web Service
Back-End Developer, Project Leader   MAR 2025 - NOW
https://github.com/NiceKim/strayspotter

- Led a team of 3 to develop 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 Wasabi cloud storage for image hosting.
- Achieved 2nd place in the Wasabi Hackathon hosted by James Cook University.

Deep Learning Fraud Detection
Independent Project   SEP 2024 - NOV 2024
https://colab.research.google.com/...

- Developed CNN and RNN models in TensorFlow to analyze students' mouse behavior and detect identity fraud in online assessments, achieving 96% accuracy.
- Implemented Agile project management and Extreme Programming (XP) methodologies, cutting project delivery time by 15%

PROFESSIONAL EXPERIENCE

LG Electronics Inc, Vietnam   AUG 2019 - OCT 2022
Data Analyst

- Analyzed data to minimize wasted materials, resulting in total savings of 21 million USD over one year.
- Took the initiative to design a database for collecting and integrating around 45,000 daily records from multiple corporate systems, and pre-processed the data to ensure accurate integration.
- Developed 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.
- Collaborated with other teams to coordinate production trial runs and manage project documentation, to guarantee smooth project execution.
- Tracked and reported KPIs and project status for the entire team.