

## Junior Software Engineer (Co-op)

Eligible to work in Canada under valid Co-op Work Permit (Centennial College)

- Detail-oriented and proactive developer with experience building and deploying **full-stack web applications** using **Spring Boot, React, and Flask**.
- Hands-on with **AI model integration, RESTful API development, and cloud deployment** on **Oracle Cloud (Ubuntu, PM2, Nginx)**.
- Utilized data analysis to support product decisions and enhanced collaboration across cross-functional and international teams.

## TECHNICAL SKILLS

- **Programming Languages:** JAVA, JavaScript, C#, Python, SQL
- **Frameworks & Libraries:** Spring Boot, React, Node.js, Flask, Express.js, JSP, MyBatis
- **Databases:** MySQL, Oracle, MongoDB
- **Web/WAS:** Apache Tomcat, Express (Node.js)
- **DevOps & Collaboration:** Git, GitHub, Postman, Linux, Agile/Scrum
- **Others:** Oracle Cloud (Ubuntu), WAR packaging, nohup, SSL, Data Analysis, AI/ML (CNN Models)

## EXPERIENCE

### Calories Cut - AI-Powered Web-Based Health Diary (Team Project | May 2025 - Present)

- Developed a **full-stack health tracking platform** using **Spring Boot, MyBatis, and MySQL**, supporting user authentication, meal tracking, and data visualization.
- Integrated a **Flask + TensorFlow CNN model** for real-time food image recognition, enabling automatic calorie and nutrient estimation.
- Deployed both backend and AI servers on **Oracle Cloud** using **PM2** for persistent runtime management.
- Implemented **email verification, session login, and Chart.js visualization** to enhance user experience.
- Planned enhancements include **responsive redesign** and model expansion from **10 to 50 food categories**.

### Wade Chat - Real-Time Chat Application (Independent Project | Oct 2025 - Present)

- Built a **real-time chat platform** using **React, Node.js, and Socket.IO** with modular design and dynamic routing.
- Implemented **instant messaging** and **multi-room communication** with responsive performance and scalability.
- Deployed on Oracle Cloud (Ubuntu) and configured PM2 for persistent runtime.

### Data Analyst, Platform Strategy Team

Medium Inc. South Korea (Sept 2022 - Dec 2023)

- Supported engineering team with QA testing, feature validation, and analytics dashboards.
- Developed dashboards with **SQL** and **Python** to visualize engagement and behavior metrics.
- Contributed to 110% MAU (Monthly Active User) growth by supporting data-driven feature iteration.

### Procurement Specialist, International Procurement Team

Chunghak F&C, South Korea (July 2019 - Sept 2022)

- Streamlined supply chain operations by coordinating with overseas vendors and internal teams.
- Received Outstanding Employee Award (Mar 2021) for enhancing communication and delivery workflows.

## EDUCATION

### Centennial College, Toronto, ON (Sept 2024 – Present)

*Software Engineering Technology (Co-op) Advanced Diploma*

- Course Highlights: Object-Oriented Programming (C#, Java), Full-Stack Web Development (React, Node.js), Databases (SQL, MySQL), Unix/Linux

### Wonkwang University, Iksan, South Korea (Mar 2008 - Aug 2019)

*Bachelor of Science in Life Sciences (Double Major: Pet Animal & Plant Science, Biological Science)*

## PERSONAL DEVELOPMENT

- **Full-Stack Java Developer Program (Data Processing Focus)**  
Korea ICT Human Resource Development Institute, Seoul (Feb 2024 - Aug 2024)
- **Technical Training (SQL)**  
Ministry of Employment and Labor, Seoul (Sparta Coding Bootcamp) (Feb 2022 - Mar 2022)

## LANGUAGES

- **Korean (Native) | English** (Professional working proficiency)