Ji Dung Lo

Backend Java Engineer

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PROFESSIONAL SUMMARY

Current Computer Science student with 1 year of experience in Java backend development with Spring Boot, seeking full-time summer internship as a software engineer.

EDUCATION

Santa Clara University, Santa Clara, CA   expected June 2026
MS in Computer Science and Engineering
Concentration: Machine Learning

Soochow University, Taipei, Taiwan   Sep. 2015 – Jan.2020
GPA: 3.7/4.0
Bachelor of Arts in English Language and Literature & Business Administration in International Business

Bootcamp
Institute for Information Industry
Java Backend Engineering Training Program (576 hours), Taipei, Taiwan   Dec.2020 – May.2021
- Java, Spring Boot, MSSQL Server, RESTful API, JavaScript

Bootcamp
National Yang Ming Chiao Tung University
Semiconductor AI and ChatGPT Academy (108 hours), Taipei, Taiwan   Aug.2023 – Nov. 2023
- Deep Learning, Machine Learning, TensorFlow, Keras, OpenCV

SKILLS

Programming	Java, Python, SQL, JavaScript
Database	MSSQL Server, MySQL
Frameworks/Tools	Spring Boot, OpenCV, PyTorch, Linux, Docker, Git

WORK EXPERIENCE

Java Backend Engineer
JY Globe Company   Sep. 2021 – Apr. 2022, Taipei, Taiwan
- Built a cryptocurrency trading application in a team of 2 with Spring Boot, featuring membership, order, and product systems, utilizing Spring Security, RESTful API, and unit testing, capable of supporting 10,000+ active users and processing 50,000+ orders daily.
- Improved MySQL database query performance by 150% to 200% through indexing and implemented sharding for large datasets to accelerate CRUD operations.
- Developed and maintained an ordering system capable of processing 100,000 orders per hour using RabbitMQ.

PROJECTS

Gourmet Map - Search for the Nearest Restaurants with Spring Boot, Tech Lead [code]
Spring Boot, MSSQL Server, jQuery, Bootstrap, April.2021 – May.2021
- Developed a food map web application as the technical lead in a team of 5, using Spring Boot, MSSQL Server and jQuery library.
- Implemented a membership system with Spring Security, featuring member role access-control and endpoint authentication.
- Built an e-commerce system with RESTful API for orders, integrating third-party payment system to ensure secure transactions for users.

Brain Tumor Detection with CNN, Team Leader [code]
TensorFlow, Keras, CNN, NOV.2023
- Developed a Brain Tumor Detection model as team leader in a team of six, using TensorFlow, Keras, and OpenCV.
- Enhanced data diversity with ImageDataGenerator, including rescaling, shear transformations, and horizontal flipping.
- Achieved 90.24% accuracy in brain tumor detection by CNN model with 5,475,504 parameters
- Evaluated by confusion matrix and visual inspection of MRI images.