Ji Dung Lo

Junior Java Engineer

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CAREER OBJECTIVE

Current Computer Science student with 1 year of experience in Java backend development with Spring Boot, seeking an entry-level job opportunity as a software engineer.

EDUCATION

Santa Clara University, Santa Clara, CA   expected June 2026
MS in Computer Science and Engineering

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

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

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

SKILLS

Programming	Java, Python, C/C++, SQL, JavaScript, HTML, CSS, Assembly Language
Database	MSSQL Server, MySQL, PostgreSQL
Frameworks/Tools	Spring Boot, OpenCV, PyTorch, Ubuntu, Linux, Docker, Git, Nginx, Arduino

WORK EXPERIENCE

Java Backend Engineer
JY Globe Company   Sep. 2021 – Apr. 2022, Taipei, Taiwan
- Built a cryptocurrency trading application with Spring Boot, featuring membership, order, and product management functionalities, utilizing Spring Security, RESTful API, and unit testing, capable of supports 10,000+ active users and processing 50,000+ orders daily.
- Improved MySQL database query performance by 2 times through indexing and implemented sharding for large datasets to accelerate CRUD operations.
- Developed and maintained a notification service capable of sending 100,000 notifications per hour using RabbitMQ

PROJECTS

Gourmet Map - Search for the Nearest Delicacies and Restaurants with Spring Boot [code]
Spring Boot, MSSQL Server, jQuery, Bootstrap, April.2021 – May.2021
- Developed a food map web application with Spring Boot, MSSQL Server and jQuery library.
- Implemented a membership system with Spring Security.
- Built a real-time chat system with Spring Boot WebSocket.
- Developed an interactive map feature using OSM and Leaflet.

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