

# INHWA SON

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## EXPERIENCE

**Software Engineering Intern** at Openprise, San Mateo, United States June 2023 – August 2023

- Automated monthly process for multi-architecture images management by using buildx and regctl, reducing deployment time by 15%.
- Transformed an HTTP Application into a Micronaut CLI Application for on-demand utilization, reducing application resource usage by 50% and enhancing user experience.
- Designed and implemented Kubernetes pod-in-pod functionality by creating essential configuration files to enhance scalability.
- Created a cross-platform prototype program for WSL environment to achieve compatibility on both Linux and Windows.

**Software Engineer** at HanaTI, Incheon, South Korea January 2018 - April 2022

Hana Capital Project

- Launched a new CVS repayment system using Docker containers in Linux, reducing processing time by 20%.
- Managed an Oracle container on AWS EC2 server for Indonesian and South Korean developers ensuring continuous development.
- Created new interface screens and services using Java, Javascript and Spring Batch.

HanaTI Global Project

- Containerized server systems using Nginx, Oracle DB, and a Spring Boot web application within Docker, achieving a 30% reduction in server provisioning time, accelerating development and deployment cycles.
- Managed containers using Spring Cloud Gateway and Netflix Eureka resulting in a reduction in security incidents and improved inter-container communication reducing API latency.
- Converted Jenkins to GitLab CI/CD to implement DevOps stack, reducing deployment time by 30%.
- Developed and executed international workshops for managers on constructing new screens and services on Springboot framework.

## PROJECTS

**AudioSensAI in Dons Hack**

[GitHub](#)

- AudioSensAI turns audio into captivating videos with voiceovers and subtitles, powered by Django, PostgreSQL, and Nginx Docker containers for a seamless web experience.
- Implemented SSL and CSRF Token to bolster security measures.
- Won the Best Cybersecurity from Dons Hack (Hackathon) 2023.

**Dear Diary for Us: Strengthen your love bond**

[GitHub](#)

- Dear Diary is a Springboot web app paired with React and MySQL, tailored for couples to share their journey
- Incorporated Google API for OAuth2 authentication and email notifications to commemorate anniversaries by tracking couples' registration dates.

**Flextra: Reduce food waste for sustainability**

[App Demo](#)

- Developed a mobile app using Adalo's no-code technology to combat food waste in community gardens.
- Attained first place at Sustainability Design Challenge 2022.

## EDUCATION

**University of San Francisco, USA**

August 2022 - December 2024

M.S. in Computer Science

GPA 4.0

**Ewha Womans University, South Korea**

March 2013 - February 2018

B.A in French Language and Literature

GPA 3.3

## SKILLS

**Programming Languages:** C, Java, Groovy, Python, HTML/CSS, Javascript(Vue/Angular/React/Node), JQuery

**Web:** Web Services (Micronaut, Spring, Springboot), AJAX, ORM Frameworks (Hibernate)

**Containerization/Cloud:** Docker, Docker Swarm, Kubernetes, AWS, Regctl, Spring Cloud Gateway, Eureka

**DBMS:** Oracle Database, ETL, MySQL, PostgreSQL, EDB, SQL Server

**Others:** Jenkins, Gradle, Maven, Github Actions, GitLab CI/CD