

Youjeong Park

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SKILLS

Java | Python | JavaScript | TypeScript | SQL | React.js | .NET | Spring boot | JUnit | MYSQL | Oracle Database | Scikit-learn
AWS | Git | Github Actions | Jenkins | Linux | Docker | Terraform | Backend | Frontend | Fullstack

EXPERIENCES

YJMood (Vancouver, BC, Canada)

03/2024 - Present

Senior Software Engineer

- Designed, developed and maintained the e-commerce web application using Java Spring Boot and AWS MySQL RDS, resulting in a 20% boost in user engagement
- Built REST APIs and conducted unit and integration testing with JUnit, reducing bug occurrences by 30%
- Developed microservices architecture(MSA) environments using Amazon ECS with Fargate and Terraform
- Implemented CI/CD pipeline using Github Actions, enabling rapid and reliable deployments on AWS ECS with Fargate and reducing deployment times by 40%
- Achieved a 20% cost reduction by changing monolithic server to AWS S3

LG CNS (Seoul, South Korea)

07/2020 - 02/2024 (3 yr 8 mo)

Software Engineer

Project 1 - Real-time Logistics Visualization Project

- Led a team of 4 developers to successfully complete a system to enhance problem-solving and efficiency within logistics operations using Java, leading to a 25% reduction in delivery times
- Applied AWS SQS for message queuing and event processing to gather real-time data, increasing data processing speed
- Integrated Elastic Search to enable search capabilities and real-time analytics, enhancing efficiency.
- Implemented CI/CD pipeline using Jenkins, and AWS EC2 to facilitate rapid and reliable deployments
- Developed Spring Boot with MyBatis and AWS RDS to enhance database interaction efficiency, resulting in a 20% improvement in query performance

Project 2 - Constructing System for Pharmaceutical Manufacturing

- Implemented Module Federation in React.js to provide independent systems, allowing flexible adaptation to various pharmaceutical manufacturing processes with front-end components styled using HTML and CSS, reducing integration time by 35%
- Utilized .NET and AWS RDS for backend and API development following MVC architecture, improving system reliability by 30%
- Automated deployment process using Jenkins and AWS EC2, ensuring optimized development and testing

PORTFOLIO

Meme Museum - Team Project (meme-log.netlify.app)

11/2023

- A website where you can search for and explore Korean memes using React.js, Vite and TypeScript

An AI-based Program Developed to Assess the Reliability of Reactor Pressure Vessel

09/2018 - 08/2020

- Website program developed a web-based application using Django, integrating AI capabilities for analyzing seismic loads using Python on nuclear pressure vessels

EDUCATIONS

Master of Artificial Intelligence

Sungkyunkwan University, Suwon, South Korea

09/2018 - 08/2020

Bachelor of Mechanical Engineering

Kyungpook National University, Daegu, South Korea

03/2013 - 02/2018

PUBLICATION

A Stress Intensity Predictive Model for Reactor Pressure Vessel via Coupled Signal Processing and Machine Learning Model, Journal of Mechanical Science and Technology

06/2023

- Proposing a stress intensity regression model using signal extraction and machine learning techniques to enhance nuclear power plant safety and prevent radiation leakage accidents
- link.springer.com/article/10.1007/s12206-023-0514-6

ACHIEVEMENTS

Excellence Award in Data Analysis

Jinju, South Korea,12/2019

Excellence Medal at Engineering Poster Competition

Jeonju, South Korea,04/2017