Youjeong Park

Vancouver BC • youjeongpark920@gmail.com • 778-792-0613 • linkedin.com/in/youjeongpark • youjeongpark.com

SKILLS

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

EXPERIENCES

YJMood (Vancouver, BC, Canada)   03/2024 - Present

Senior Software Engineer (Contract Full-time)
● Managed projects from planning to deployment, ensuring meeting deadline and customer satisfaction
● Mentored junior team members and conducted code and document reviews to ensure quality and consistency
● Achieved a 20% cost reduction by changing monolithic server for files to AWS S3
● Developed microservices architecture(MSA) environments using AWS ECS with AWS Fargate and Terraform
● Designed, developed and maintained e-commerce web application using Java Spring Boot and AWS MySQL RDS, resulting in a 20% boost in user engagement

LG CNS (Seoul, South Korea)   07/2020 - 02/2024 (3 yr 8 mo)

Software Engineer (Permanent Full-time)

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 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 video calling feature using WebRTC and multi-party messaging system with WebSocket, including real-time translation features
● Developed Spring Boot with MyBatis and AWS RDS to enhance database interaction efficiency, resulting in a 20% improvement in query performance
● Enhanced system stability by implementing load balancing to effectively distribute traffic

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%
● Developed graph and chart visualizations using Chart.js for statistical data representation
● Refactored APIs following MVC architecture using .NET and AWS RDS, improving system reliability by 30%
● Implemented CI/CD pipeline for automated deployment process using Jenkins and AWS EC2

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   09/2018 - 08/2020
Sungkyunkwan University, Suwon, South Korea

Bachelor of Mechanical Engineering   03/2013 - 02/2018
Kyungpook National University, Daegu, South Korea

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