

# Hyesoo Kim

Software Engineer

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## SUMMARY

Results-oriented and detail-driven Cloud Engineer with a strong background in Python programming contributed with cloud platforms and open sources. Capable of independently developing products from the initial stages: (1) Produced 5 cloud(aws) projects collaborated with ElasticSearch, OpenAI, LLM models, OCR, frontend framework(streamlit, shopify) etc.(2) Wrote a 'Code Guide Book' related to my projects above (3) One 'Text Data Analysis' project using R (4) Developed one game project using Unity  
Committed to delivering high-quality software by applying industry best practices in testing and automation. Seeking opportunities to contribute technical expertise and enhance software development processes.

## EDUCATION

**Sookmyung Women's University**

*Bachelor Degree, Computer Science*

Seoul, South Korea

2021 - present

## TECHNICAL SKILLS

**Languages:** Python, R, SQL, NoSQL

**Frameworks/Tech:** AWS, ElasticSearch, Streamlit, Slack

**Developer Tools:** Git, Github

**AI:** OpenAI, Langchain, NaverOCR

## EXPERIENCE

**BoxLadder - Software Engineer**

*AI-powered platform that connects startups with global investors and experts*

May. 2023 – Mar. 2024

Seoul, South Korea

- Constructed a database using AWS DynamoDB, transitioning it into a No-SQL database
- Developed a company search engine using ElasticSearch, significantly enhancing search performance
- Developed an 'Intelligent IR Deck' equipped with OCR technology to seamlessly extract all text from uploaded IR Decks. This innovative system automatically stores the extracted data into a database and generates concise summaries of the IR Deck content, streamlining the information retrieval process

## PROJECTS

**AWS-Cloud-Resume-Challenge [Side Project]**

Apr 2024

*Python, AWS, Github Action, Terraform*

- Created a personal resume website using cloud platforms
- <https://resume.hyesookim.com/> All my details about the projects can be check here

**EchoMate - B2B solution for plastic recycle platform**

Nov 2023

*Python, AWS, ElasticSearch, Slack, Alexa*

- Hackathon project : HerHack2023 - Switzerland
- ElasticSearch used for data base, developing search engine and a recommendation system
- Backend API using AWS Lambda, AWS SES
- Collaborated with additional frontend service using Slack and Alexa

**Chef in My Hand**

Nov 2023

*Python, AWS, ElasticSearch, Naver OCR, OpenAI, LlamaIndex*

- Hackathon project : Ottogi X AWS hackathon - South Korea
- Data analysis and visualization with Ottogi company's data using 'Elastic Search'
- Take a photo of a food product of Ottogi's and search for the recipe right away using 'OCR'
- Developed a specialized 'chat assistant' about the product reviews using 'GPT', 'Llama Index'

**ScanScribe: Intelligent IR Deck**

Jul 2023 - Aug 2023

*Python, AWS, ElasticSearch, Streamlit, Slack, OpenAI, Naver OCR*

- Aims to revolutionize the way of managing documents(IR Deck) and efficiently improving the time to “search” and understand the IR materials
- Integrates OCR technology, to extract text data from IR Deck

### **SearchWave: Search Engine for Startups/Investors**

Jul 2023 - Aug 2023

*Python, AWS, ElasticSearch, Slack*

- Identify the tendencies of investment companies through our own data preprocessing
- Using ElasticSearch re-defined a custom search engine for how information is discovered

### **Digital Functional Game for ADHD**

May 2023 - Aug 2023

*Unity*

- “Digital Functional Game” for ADHD children made by Unity
- Developed a maze game and a shooting game collaborated with hardware motion detector
- Participated in EKC2023(Europe-Korea Conference) for poster presentation

## **CERTIFICATIONS**

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### **AWS Certified Solutions Architect - Associate**

*Issued Apr 2024*

### **AWS Certified Cloud Practitioner**

*Issued Jul 2023*

## **AWARDS**

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### **BaselHack 2023 | 2nd Prize for Bell food group**

Switzerland, Oct 2023

- Created a solution that would help employees easily find information across different platforms using AI. Reducing the information search and gathering time from 30 minutes to less than 10 seconds
- Skills: aws, gpt, elasticsearch

### **AWS X khu-campustown Summer Hackathon | 1st Prize**

South Korea, Aug 2023

- Project of ”ScanScribe” and ”SearchWave”

### **ICCAS 2023 “Digital Functional Game” | 2nd Prize**

South Korea, Aug 2023

- Project of ”Digital Functional Game for ADHD”

## **LANGUAGE**

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### **English**

*Fluent*