Jinhyeong Seo
e6ipi1@gmail.com
github.com/seo-jinBro
+82 010-4159-1077

Work Experience

Scatter Lab (Pingpong)   Aug 2018 – Sep 2020
Backend Software Engineer
- Developed features and managed service for Luda (https://luda.ai), AI Social Friendly Chatbot
    - Built reply candidates server using Elasticsearch and developed retrieval system
        - Built token based indexes in master/data nodes on EC2 SSD instances with proper shards
    - Built embedding database of which size > 3TB for cache using MongoDB
    - Worked migrating whole services from AWS EC2 to Kubernetes system (AWS EKS)
    - Dockerized and built CI system using CircleCI, Github Actions with self-hosted and AWS ECR
- Built data pipelines and analytics system using Stackdriver, BigQuery, Data Studio and Airflow
    - Wrote BigQuery queries for stats and used Github Actions to synchronize BigQuery views
    - Built Airflow for batch jobs to backup, to predict conversation satisfactions
        - Regression for scoring using statistical features of model outputs, queries and replies
- Developed features and managed service for Pingpong Builder, B2B AI Chatbot builder
    - Dockerized and built CI system, and packaging services for on-premise (HAI, Hana bank)
- Developed whole services of Pingpong Japanese Demo (https://pingpong.us/jp)
    - Web page based on React, Lambda Handler, and Serverless Flask API server with PyTorch
- Optimized model codes and made RESTful API servers using Flask
    - Profiled codes and modified to remove bottlenecks (ex. use comprehensions, add caches, …)
    - Built CI system using Jenkins and AWS ECR
- Maintained training servers including internal GPU Linux servers, NAS, and Cloud instances

Technical Skills

Languages: Python, Java, Javascript (Typescript)
Frameworks / Libraries: Docker, Spring (boot), Flask, PyTorch, Django, React.js, Faiss
Cloud Components: AWS (EC2, EKS, Lambda, Fargate,…), GCP (BigQuery, Data Studio, Stackdriver)
Others: Docker, Kubernetes, Airflow, Github Actions, CircleCI, Jenkins, Zappa, Docker Compose

Education

Seoul National University   Mar 2014 – Present
Dept. of Computer Science and Engineering

Interests

NLP, building pipelines, optimizing DL models, embedding search, and "**productionizing**"

Posts

(Posts below are written during working in pingpong)
- https://blog.pingpong.us/ml-model-optimize/
        - Contributed to cloud support, optimizing computations
- https://blog.pingpong.us/kubernetes-in-pingpong/
        - Contributed to building Continuous Delivery System, setting Kubernetes
- https://blog.pingpong.us/chatbot-data-pipeline/
        - Contributed to building data pipelines, making queries, and managing by Github with Actions